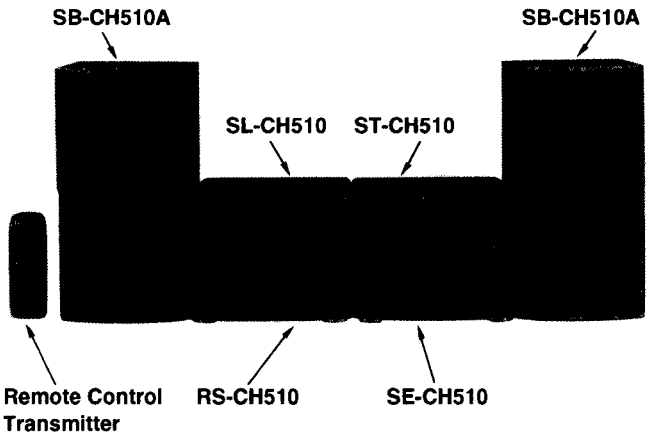
ORDER NO. AD9407196C8

Service Manual

Tuner/Sound Processor

Tuner

ST-CH510



Because of unique interconnecting cables, when a component requires service, send or bring in the entire system.

Colour

(K) ..... Black Type

Areas

Suffix for Model No.	Area	Colour
(E)	Europe	(K)
(EG)	Germany and Italy	
(GC)	Asia, Latin America, Middle Near East and Africa, Oceania	

Specifications

System: SC-CH510

■ Pre-amplifier section

Input sensitivity/impedance
For (E) and (EG) areas
PHONO 2.5 mV/47 kΩ
DCC 250 mV/15 kΩ
For (GC) area
AUX 250 mV/15 kΩ
DCC 250 mV/15 kΩ
Output level
DCC RECOUT 150 mV/1.5 kΩ
Frequency response
For (E) and (EG) areas
PHONO 30 Hz – 15 kHz/+1.5 to –2.0 dB
DCC 30 Hz – 20 kHz
For (GC) area
AUX 30 Hz – 20 kHz
DCC 30 Hz – 20 kHz

■ EQ, SFP section

Center frequency 200 Hz, 1 kHz, 7 kHz
Fixed mode
5 modes HALL, HEAVY, CLEAR, CAR, HP ST

■ FM tuner section

Frequency range 87.50 – 108.00 MHz (0.05 MHz steps)
Sensitivity 1.8 μV (IHF usable)
S/N 26 dB 1.5 μV
S/N MONO 70 dB (75 dB, IHF)
Stereo separation 1 kHz 35 dB
Antenna terminal(s) 75 Ω (unbalance)

■ AM tuner section

Frequency range
MW 522 – 1611 kHz (9 kHz steps)
530 – 1620 kHz (10 kHz steps)
LW 144 – 288 kHz (9 kHz steps)
Sensitivity (S/N 20 dB)
MW 500 μV/m
LW 50 μV

■ Timer section

Clock Quarts-lock type
Function 24-hour programmable; Play timer (1 time), Rec timer (1 time), Sleep (120 min., 1 min. intervals)
Setting 1 minute – 23 hours 59 minutes (1 min. intervals)

■ General

Dimensions (W × H × D) 270 × 89 × 274 mm
Weight 1.75 kg

Notes:
1. Specifications are subject to change without notice. Weight and dimensions are approximate.
2. Total harmonic distortion is measured by the digital spectrum analyzer.

System	Tuner/sound processor	Compact disc player	Amplifier	Cassette Deck	Speakers
SC-CH510	**ST-CH510**	SL-CH510	SE-CH510	RS-CH510	* SB-CH510A

Technics®

*: For (E), (EG) areas ..... Made in PAES
For (GC) area ..... Made in NABEL

■ Contents

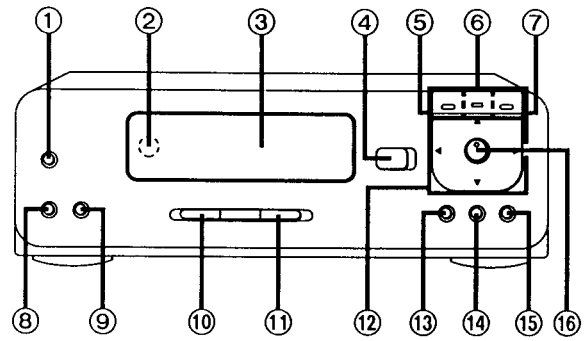
	Page
• Location of Controls	2
• Setting the Time	2
• Operation Check and Main Component Replacement Procedures	3, 4
• Schematic Diagram	5~16
• Printed Circuit Board Diagram	17~20
• Wiring Connection Diagram	20
• Block Diagram	21~23
• Power Supply with Tuner ST-CH510	24
• Function of IC Terminals	25
• Replacement Parts List	26~30
• Cabinet Parts Location	31

NOTE:
Refer to the service manual for Model No. SE-CH510 (ORDER No. AD9407197C8) for information on "Accessories", "Stacking the Components", "Connections" and "Packaging".

This unit (tuner/sound processor ST-CH510) is equipped with a self-diagnostic function.
For details of the self-diagnostic function, refer to the service manual (ORDER No. AD9407191C2) for SL-CH510 (CD player).

■ Location of Controls

① Auto preset button
② Remote control signal sensor
③ Display section
④ Source input select button
⑤ FM button
⑥ Tuner indicator
⑦ LW/MW select button
⑧ Flat button
⑨ EQ SPACE mode select button
⑩ KARAOKE mode select button
⑪ V.bass button
⑫ Tuning/select button and indicators
⑬ Clock/timer button
⑭ Record timer button
⑮ Play timer button
⑯ Set button and indicator



(To be continued)

■ Setting the Time

This is a 24-hours display clock.
These instructions explain how to set the timer for 16:25 (4:25 p.m.) on Wednesday.

1 **Switch on the power.**

2 **① Press CLOCK/TIMER to show "CLOCK".**
Within 8 seconds
② Press SET.

3 **① Press ◁ SELECT or SELECT ▷ to select the day.**
② Press SET.

4 **① Press ◁ SELECT or SELECT ▷ to select the hour.**
② Press SET.

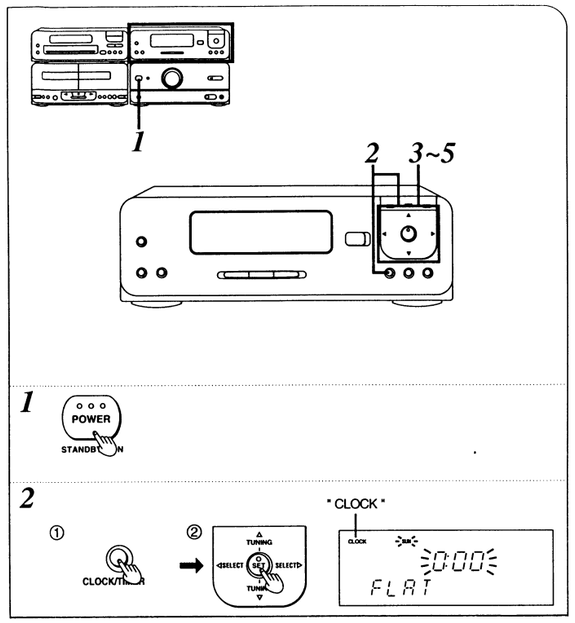
5 **① Press ◁ SELECT or SELECT ▷ to select the minutes.**
② Press SET to finish setting the time.

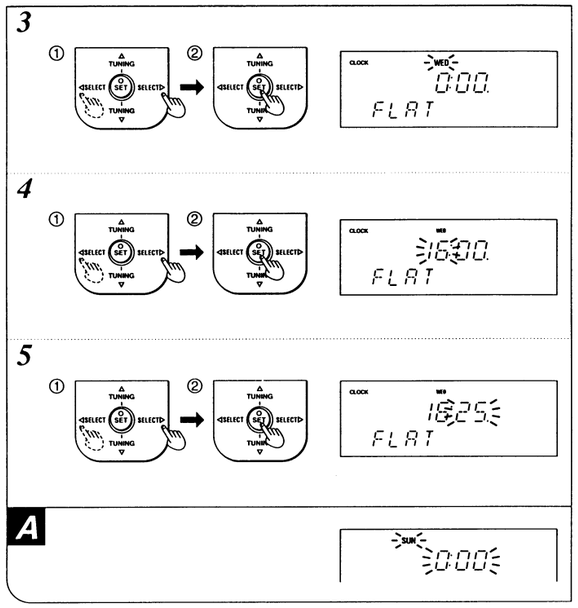
The display will return to the previous display after about 2 seconds.

When "SUN 0:00" flashes A
It flashes when you connect the AC power supply cord for the first time or if there has been a power failure.
If this happens, reset the time.

If the minutes setting has gone wrong:
1. Press CLOCK/TIMER.
2. Press SET 3 times.
3. Press ◁ SELECT or SELECT ▷ to set the minutes, and then press SET.

To display the clock again:
Press CLOCK/TIMER.
The clock display will appear for about 8 seconds.



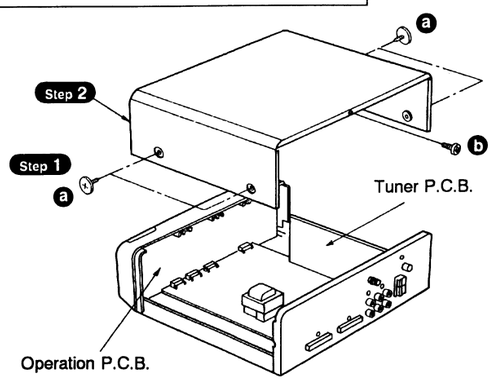


■ Operation Check and Main Component Replacement Procedures

NOTE

1. **This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.**
2. **For reassembly after operation checks or replacement, reverse the respective procedures. Special reassembly procedures are described only when required.**
3. **Illustrated screws are equivalent to actual size.**

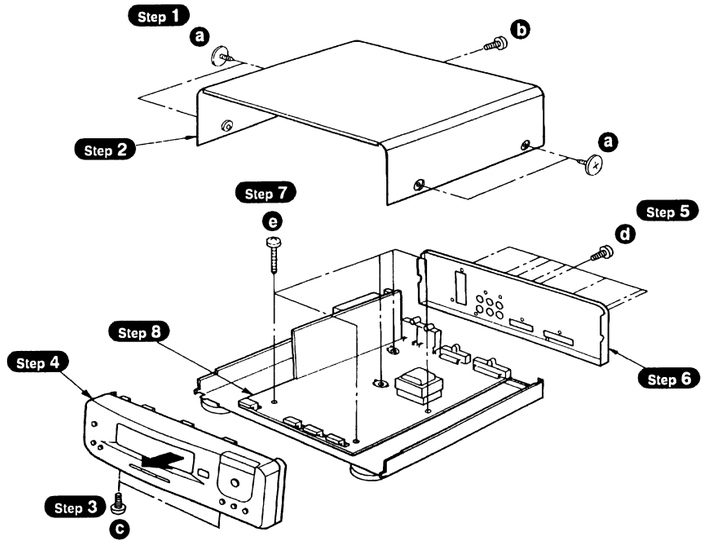
1. Checking for the tuner P.C.B. and operation P.C.B.

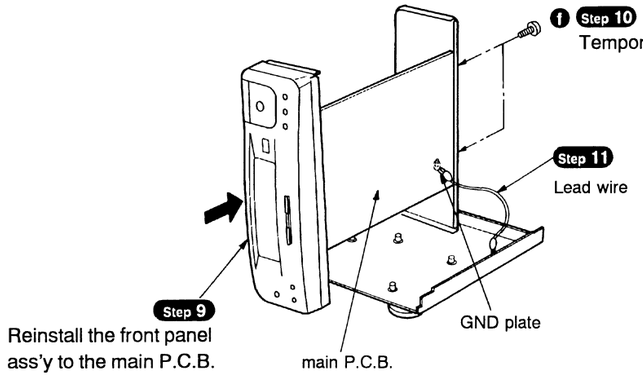


a
[RHD30007] (Black)

b
[XTBS3+8JFZ] (Black)

2. Checking for the main P.C.B.





a
[RHD30007] (Black)

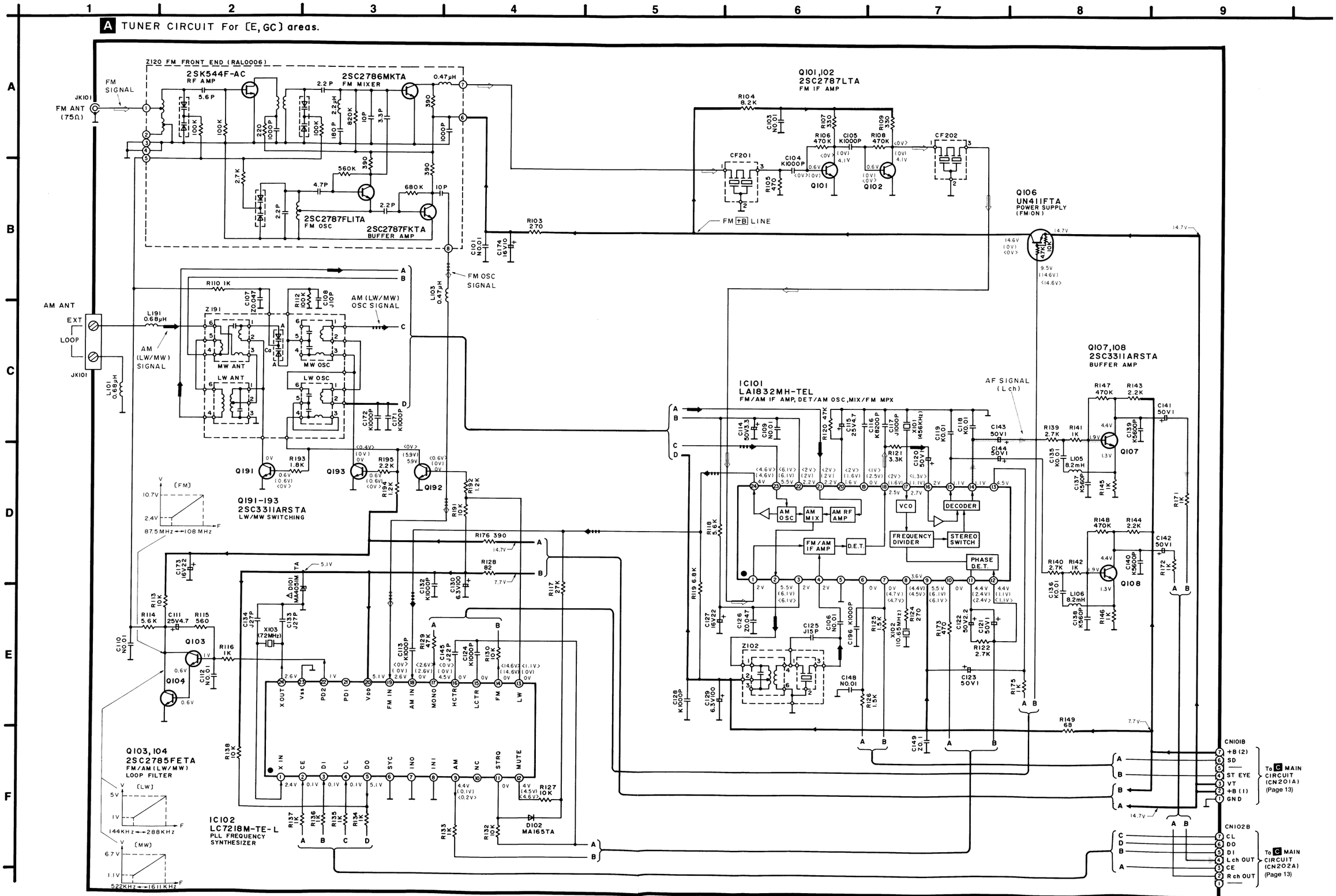
b
[XTB3+8JFZ] (Black)

c,d
[XTBS3+8JFZ1] (Black)

e
[XTB3+16JFZ] (Black)

f
[XTBS3+8JFZ1] (Black)

■ Schematic Diagram ● Tuner circuit for (E) and (GC) areas (Parts list on Page 26~30)



- This schematic diagram may be modified at any time with the development of new technology.

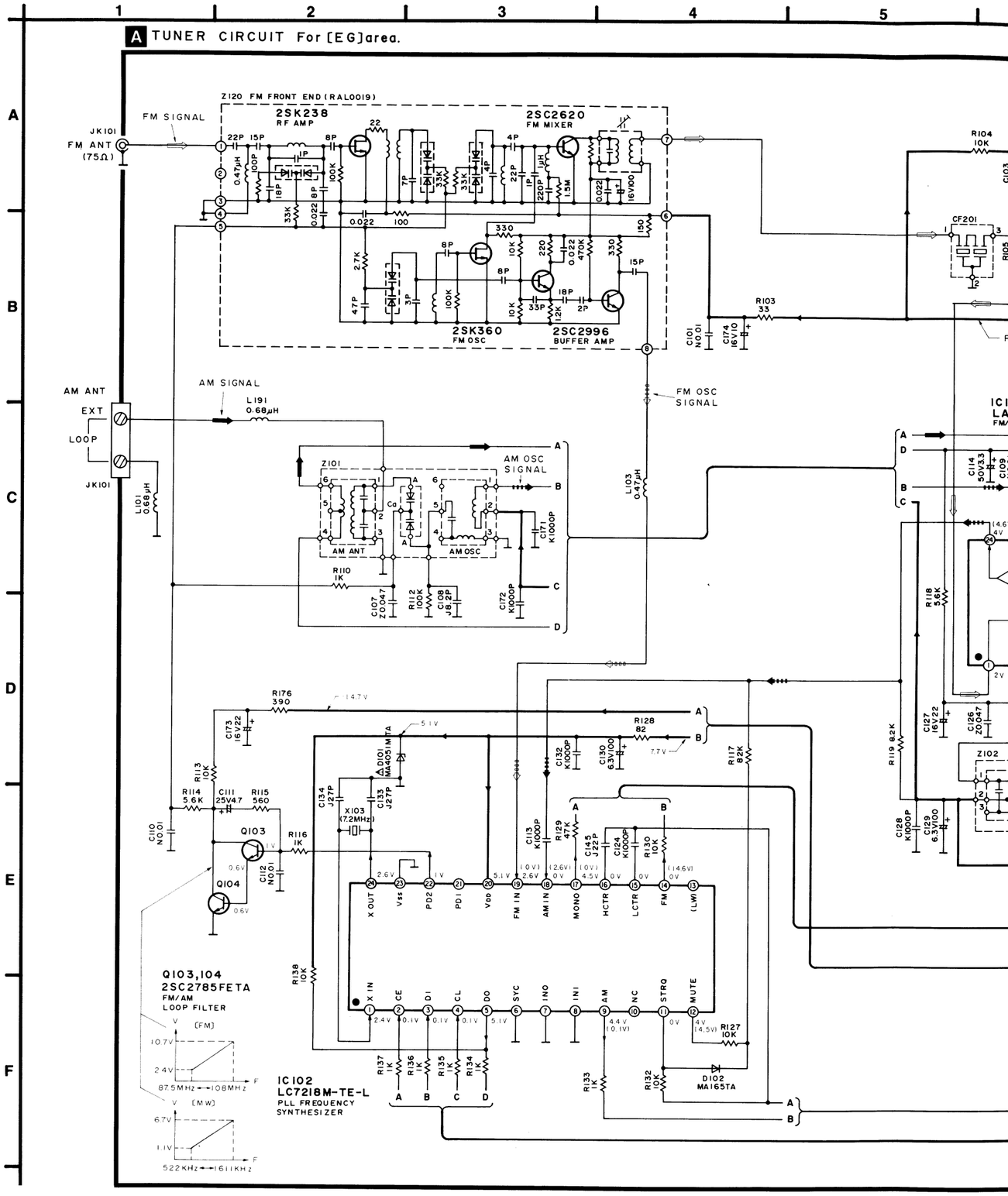
Notes:

- Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.
- Voltage values and waveforms are measured as indicated in the schematic diagram when test points between TP901 and TP902, and between TP903 and TP904 are shorted.

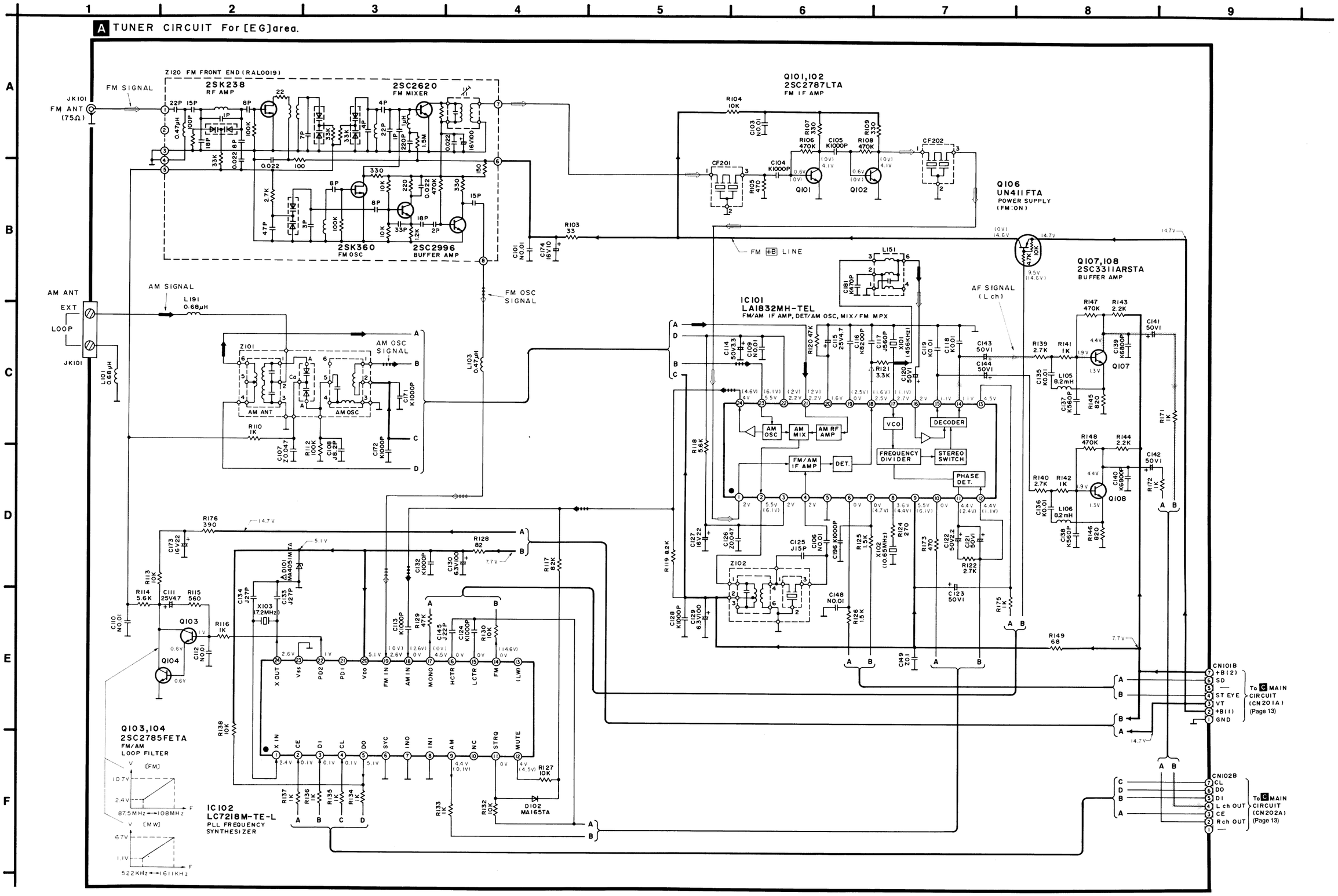
  No mark : FM mode ( ) : AM (MW) mode < > : AM (LW) mode
- Important safety notice:
  Components identified by ⚠ mark have special characteristics important for safety.
  Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.
- **Caution!**
  IC and LSI are sensitive to static electricity.
  Secondary trouble can be prevented by taking care during repair.
  Cover the parts boxes made of plastics with aluminum foil.
  Ground the soldering iron.
  Put a conductive mat on the work table.
  Do not touch the legs of IC or LSI with the fingers directly.
- **Voltage and signal line**

: Positive voltage line
: AM (LW/MW) signal line
: FM signal line
: AF signal (Lch) line
: AM (LW/MW) OSC signal line
: FM OSC signal line

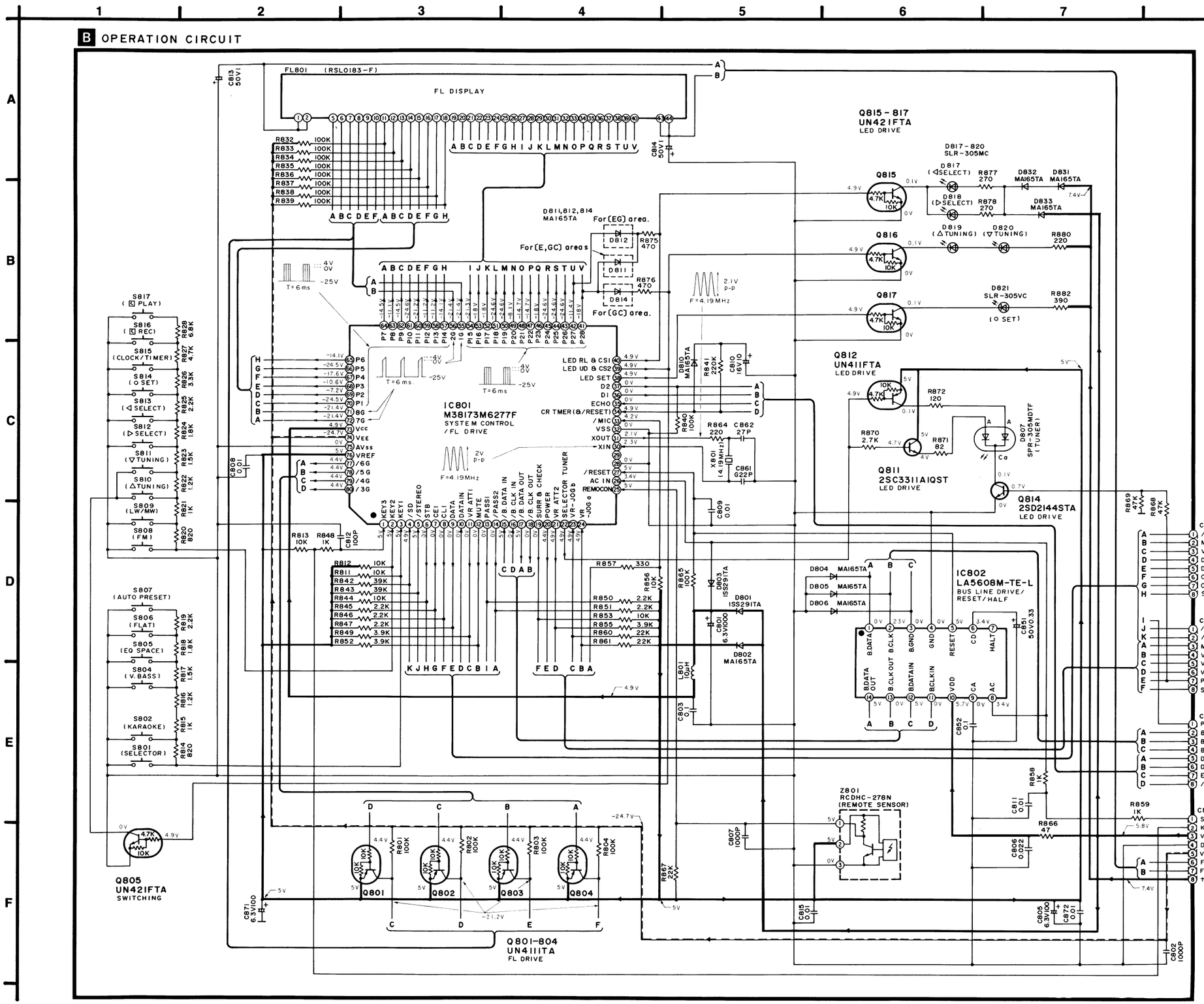
• Tuner circuit for (EG) area (Parts list on Page 26~30)



● Tuner circuit for (EG) area (Parts list on Page 26～30)



● Operation circuit (Parts list on Page 26~30)



● This schema

Notes:

- ● S801 :
- ● S802 :
- ● S804 :
- ● S805 :
- ● S806 :
- ● S807 :
- ● S808 :
- ● S809 :
- ● S810 :
- ● S811 :
- ● S812 :
- ● S813 :
- ● S814 :
- ● S815 :
- ● S816 :
- ● S817 :

● Indicated vo circuit tester some errors

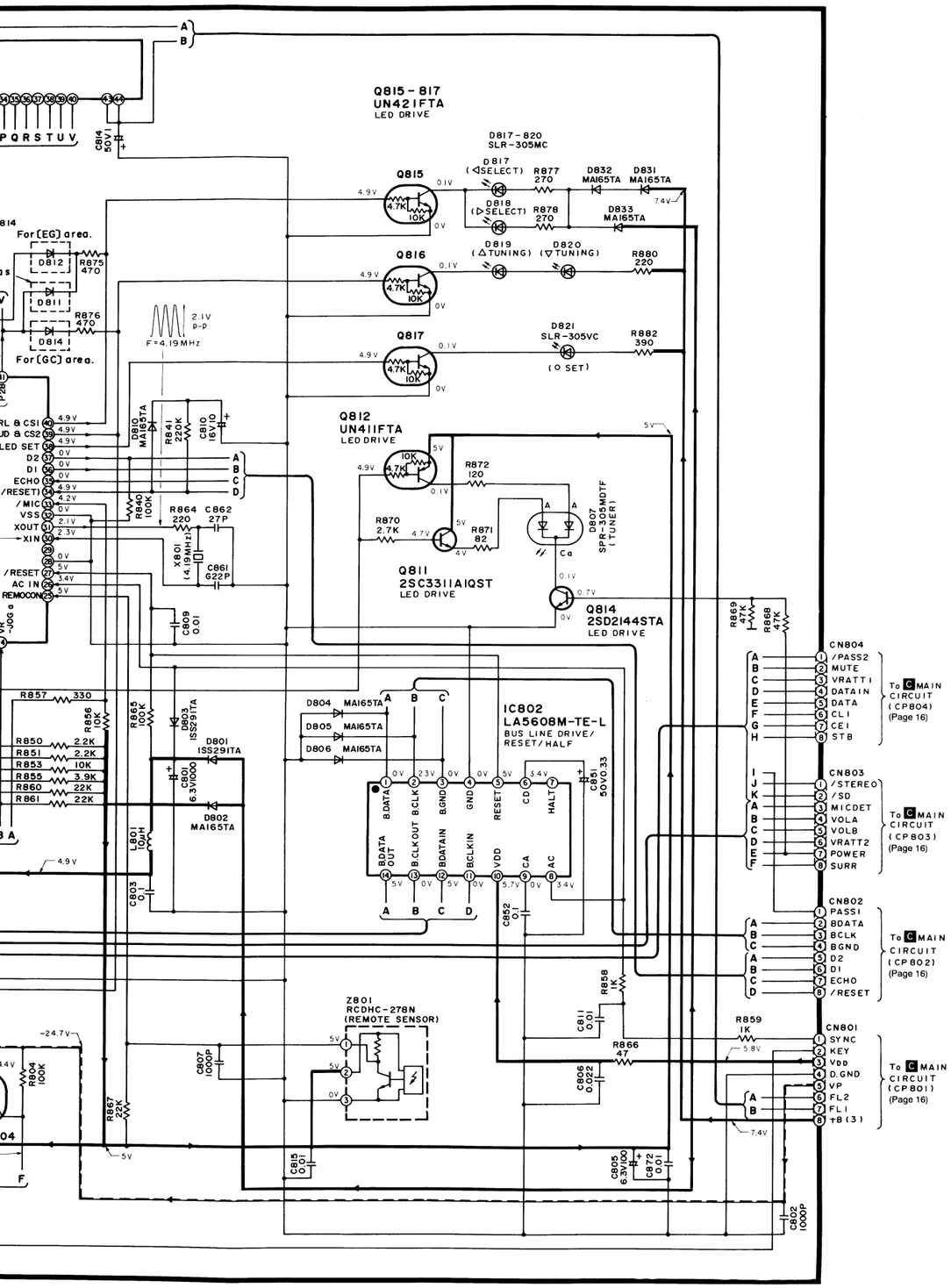
● Voltage valu points betwe

No ma

● Important sa Component Furthermore (capacitors) use only ma

● **Caution!**
IC and LSI a
Secondary
Cover the p
Ground the
Put a condu
Do not touc

● **Voltage an**



- This schematic diagram may be modified at any time with the development of new technology.

Notes:

- **S801** : Source input select switch (SELECTOR)
- **S802** : KARAOKE mode select switch (KARAOKE)
- **S804** : V.bass switch (V.BASS)
- **S805** : EQ SPACE mode select switch (EQ SPACE)
- **S806** : Flat switch (FLAT)
- **S807** : Auto preset switch (AUTO PRESET)
- **S808** : FM switch (FM)
- **S809** : AM (LW/MW) select switch (LW/MW)
- **S810** : TUNING (▲) switch
- **S811** : TUNING (▼) switch
- **S812** : SELECT (▶) switch
- **S813** : SELECT (◀) switch
- **S814** : SET (●) switch
- **S815** : Clock/timer switch (CLOCK/TIMER)
- **S816** : Record timer switch (L REC)
- **S817** : Play timer switch (L PLAY)
- Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.
- Voltage values and waveforms are measured as indicated in the schematic diagram when test points between **TP901** and **TP902**, and between **TP903** and **TP904** are shorted.

  No mark : FM mode ( ) : AM (MW) mode < > : AM (LW) mode

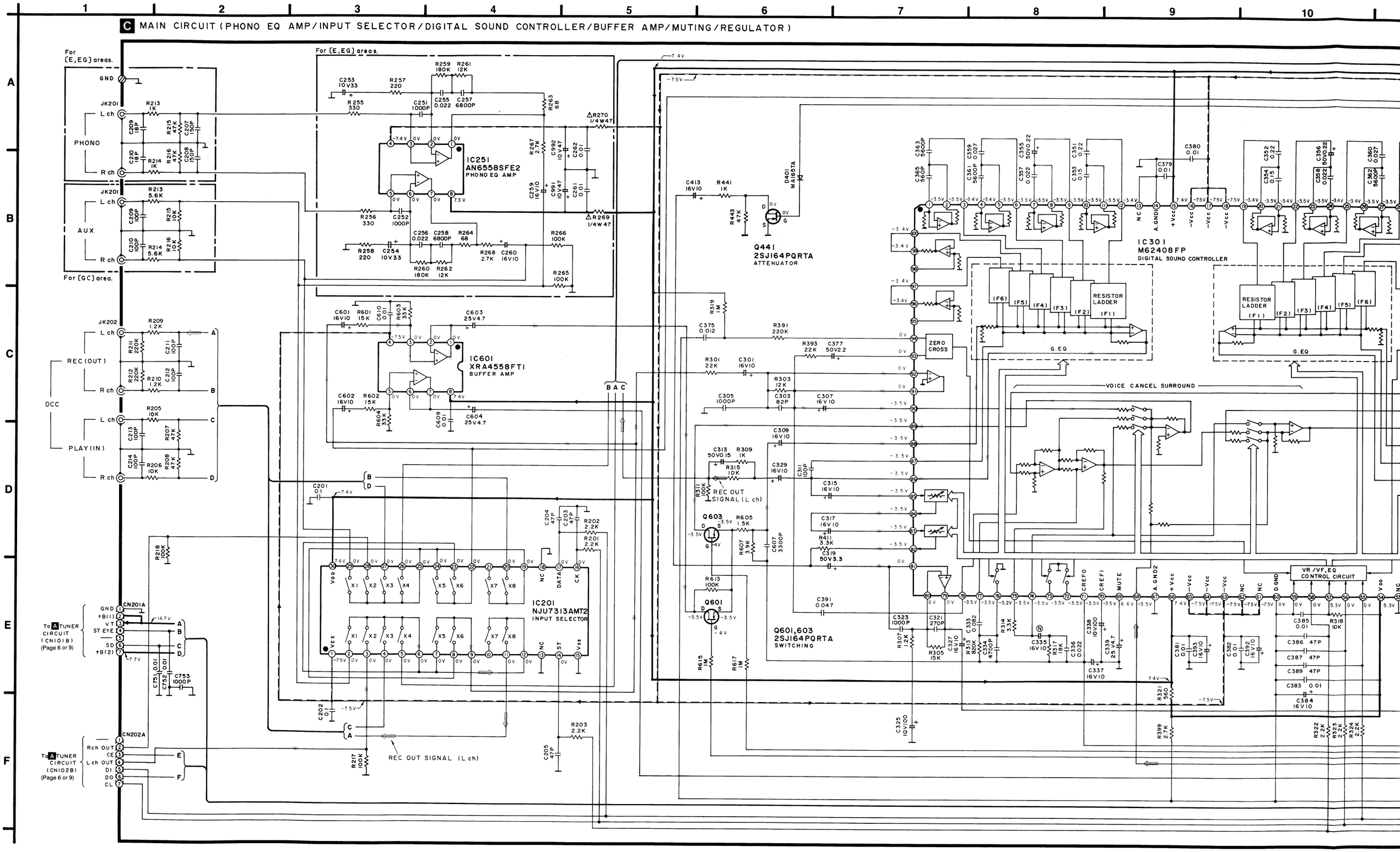
- Important safety notice:
  Components identified by ⚠ mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

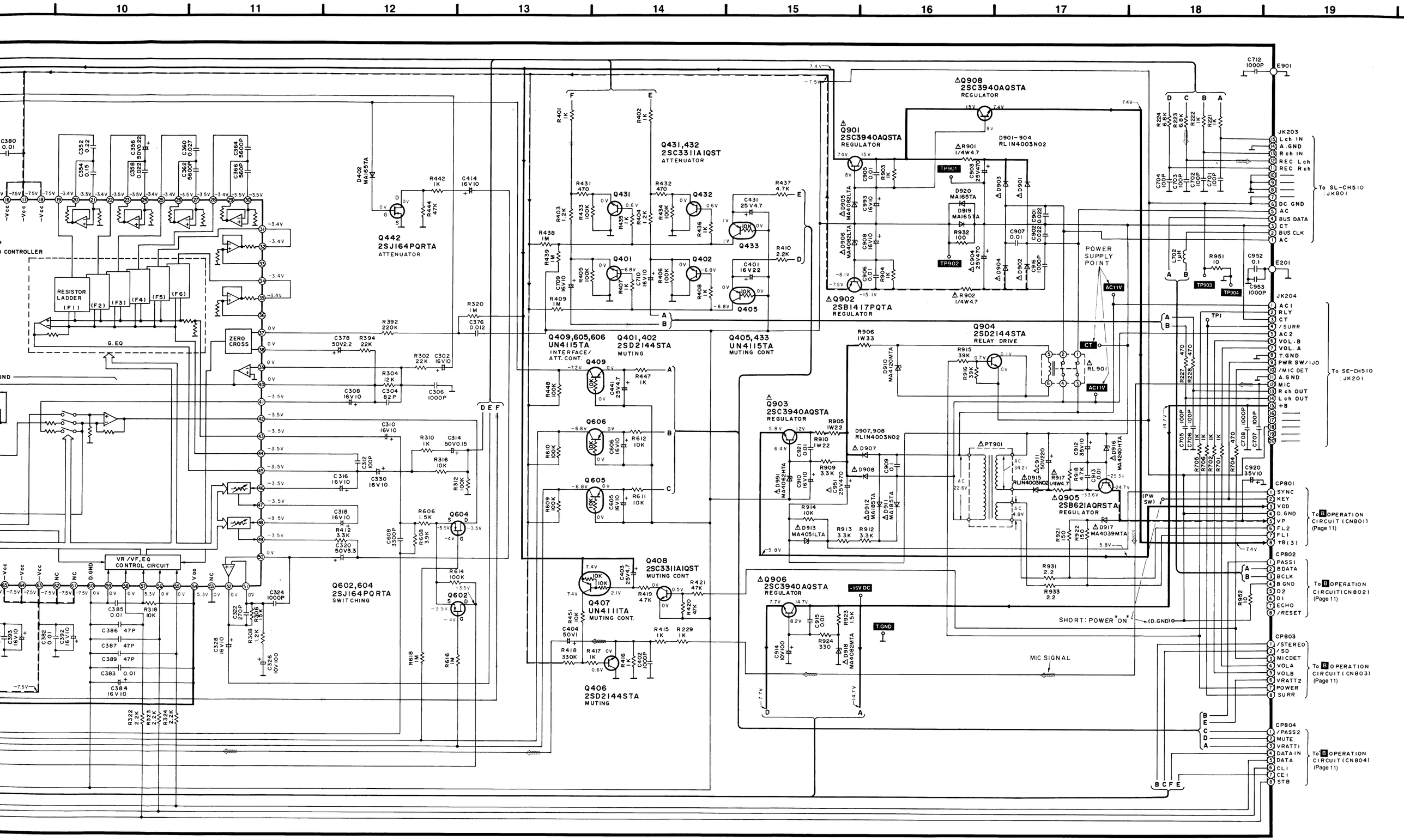
- **Caution!**
  IC and LSI are sensitive to static electricity.
  Secondary trouble can be prevented by taking care during repair.
  Cover the parts boxes made of plastics with aluminum foil.
  Ground the soldering iron.
  Put a conductive mat on the work table.
  Do not touch the legs of IC or LSI with the fingers directly.

- **Voltage and signal line**

  : Positive voltage line
  : Negative voltage line
  : AF signal (Lch) line
  : REC. OUT signal line
  : MIC signal line

● Main circuit (Parts list on Page 26～30)

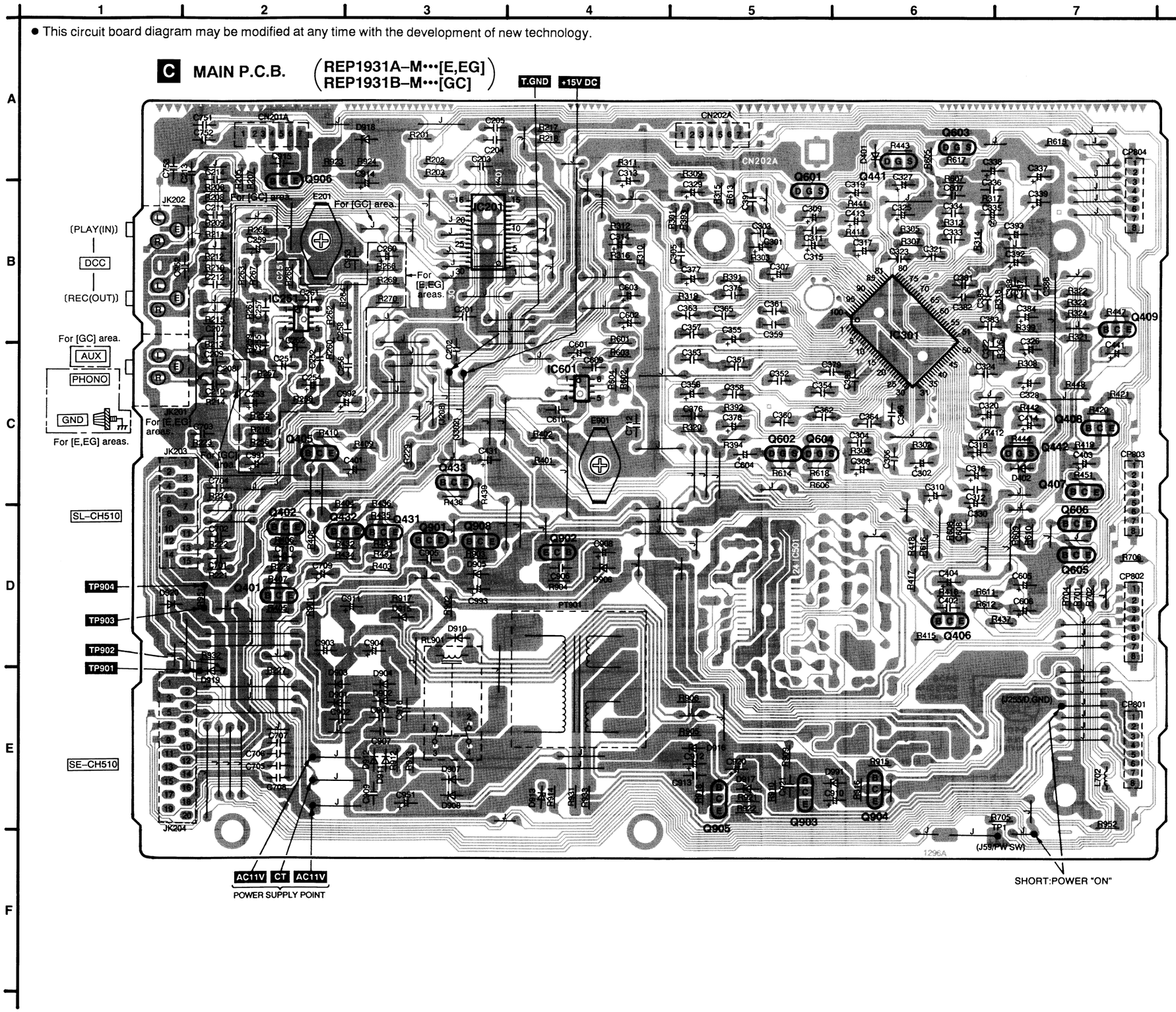



10
11
12
13
14
15
16
17
18
19
Q442
2SJ164PQRTA
ATTENUATOR
Q431,432
2SC3311A1QST
ATTENUATOR
Q409,605,606
UN4115TA
INTERFACE/
ATT. CONT.
Q401,402
2SD2144STA
MUTING
Q405,433
UN4115TA
MUTING CONT
Q908
2SC3940AQSTA
REGULATOR
Q901
2SC3940AQSTA
REGULATOR
Q902
2SB1417PQTA
REGULATOR
Q904
2SD2144STA
RELAY DRIVE
Q903
2SC3940AQSTA
REGULATOR
Q905
2SB621AQRSTA
REGULATOR
Q906
2SC3940AQSTA
REGULATOR
Q408
2SC3311A1QST
MUTING CONT
Q407
UN4111TA
MUTING CONT.
Q406
2SD2144STA
MUTING
Q602,604
2SJ164PQRTA
SWITCHING
RESISTOR LADDER
G.EQ
ZERO CROSS
VR/VF,EQ CONTROL CIRCUIT
POWER SUPPLY POINT
SHORT: POWER "ON"
MIC SIGNAL
JK203
To SL-CH510 : JK801
JK204
To SE-CH510 : JK201
CP801
To B OPERATION CIRCUIT (CN801) (Page 11)
CP802
To B OPERATION CIRCUIT (CN802) (Page 11)
CP803
To B OPERATION CIRCUIT (CN803) (Page 11)
CP804
To B OPERATION CIRCUIT (CN804) (Page 11)

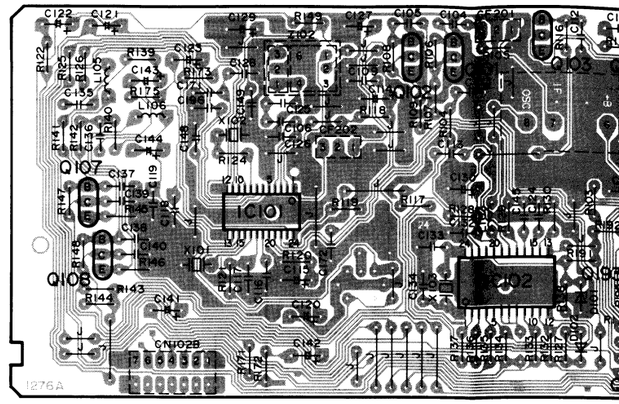
■ Printed Circuit Board Diagram

● This circuit board diagram may be modified at any time with the development of new technology.

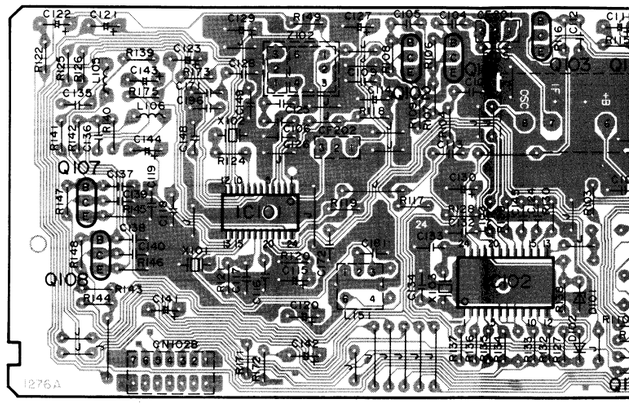
C MAIN P.C.B. (REP1931A–M•••[E,EG] / REP1931B–M•••[GC])



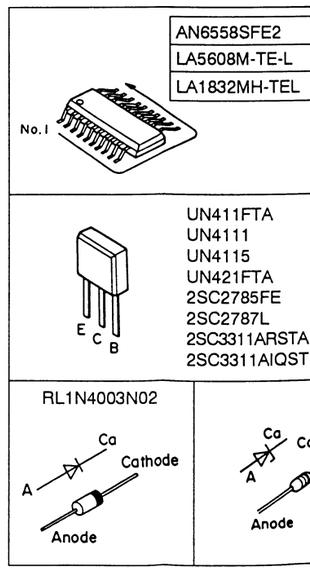
A TUNER P.C.B. For [E,GC] areas.(REP1930A–T)

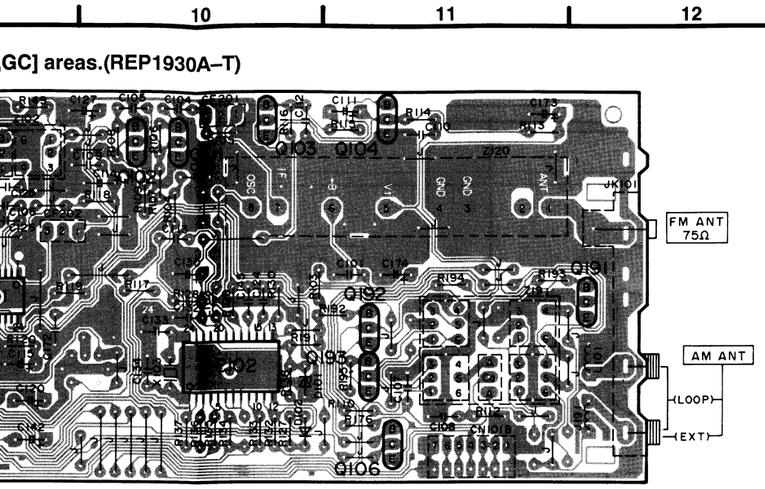


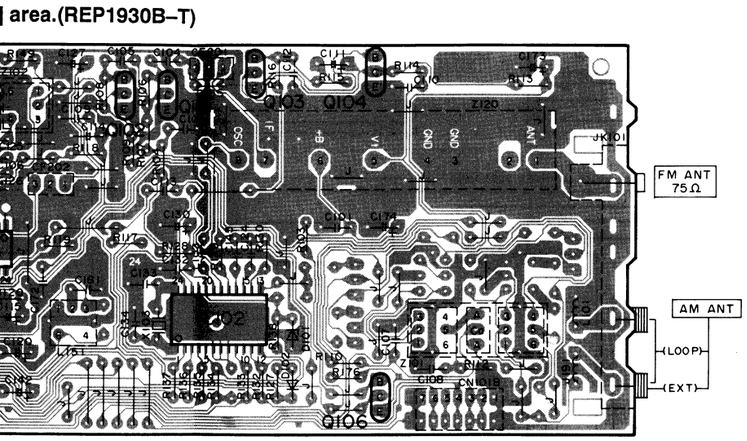
A TUNER P.C.B. For [EG] area.(REP1930B–T)



● Terminal Guide of IC's, Tra

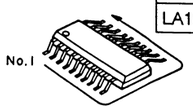




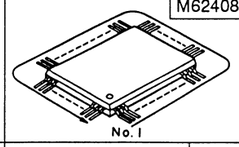


● Terminal Guide of IC's, Transistors and Diodes

AN6558SFE2	8Pin	LC7218M-TE-L	24Pin
LA5608M-TE-L	14Pin	NJU7313AMT2	30Pin
LA1832MH-TEL	24Pin		

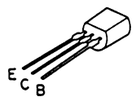


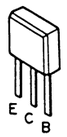
M38173M6277F	80Pin
M62408FP	100Pin



XRA4558FT1

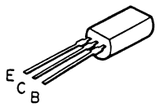
2SB621A-R



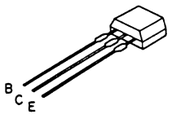


UN411FTA
UN4111
UN4115
UN421FTA
2SC2785FE
2SC2787L
2SC3311ARSTA
2SC3311AIQST

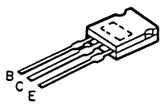
2SC3940AQSTA



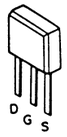
2SD2144S



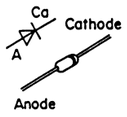
2SB1417PQTA



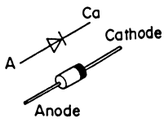
2SJ164PQRTA

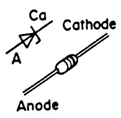


MA165



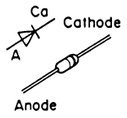
RL1N4003N02



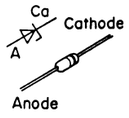


MA4039MTA
MA4051MTA
MA4051-L
MA4062-H
MA4082MTA
MA4082LTA

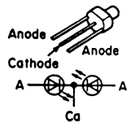
1SS291TA
MA185TA



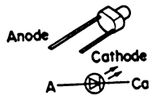
MA4120
MA4240H

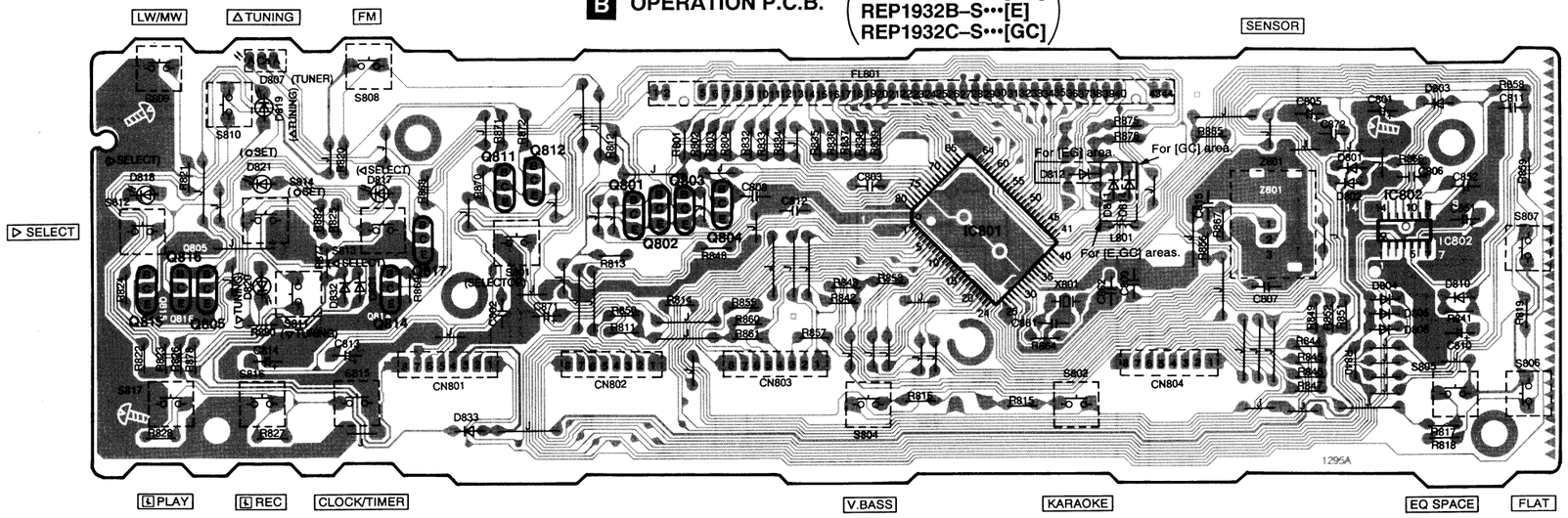


SPR-305MDTF

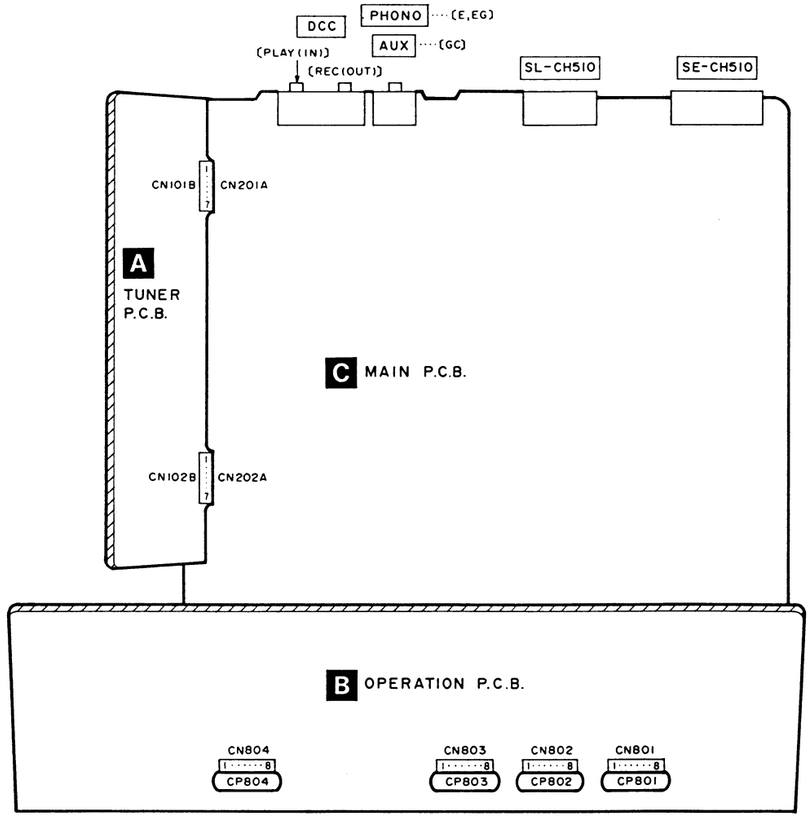


SLR-305MC
SLR-305VC

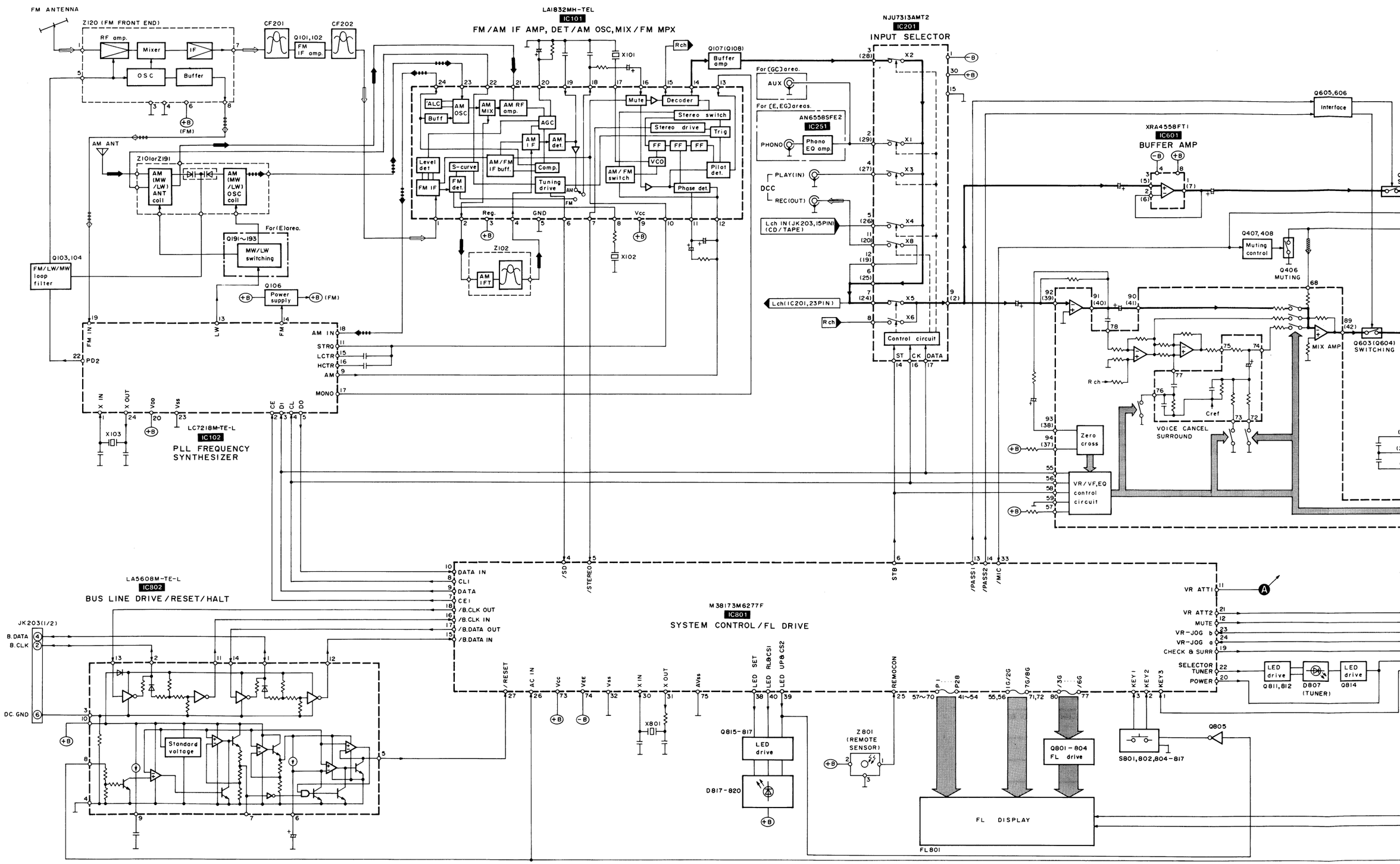


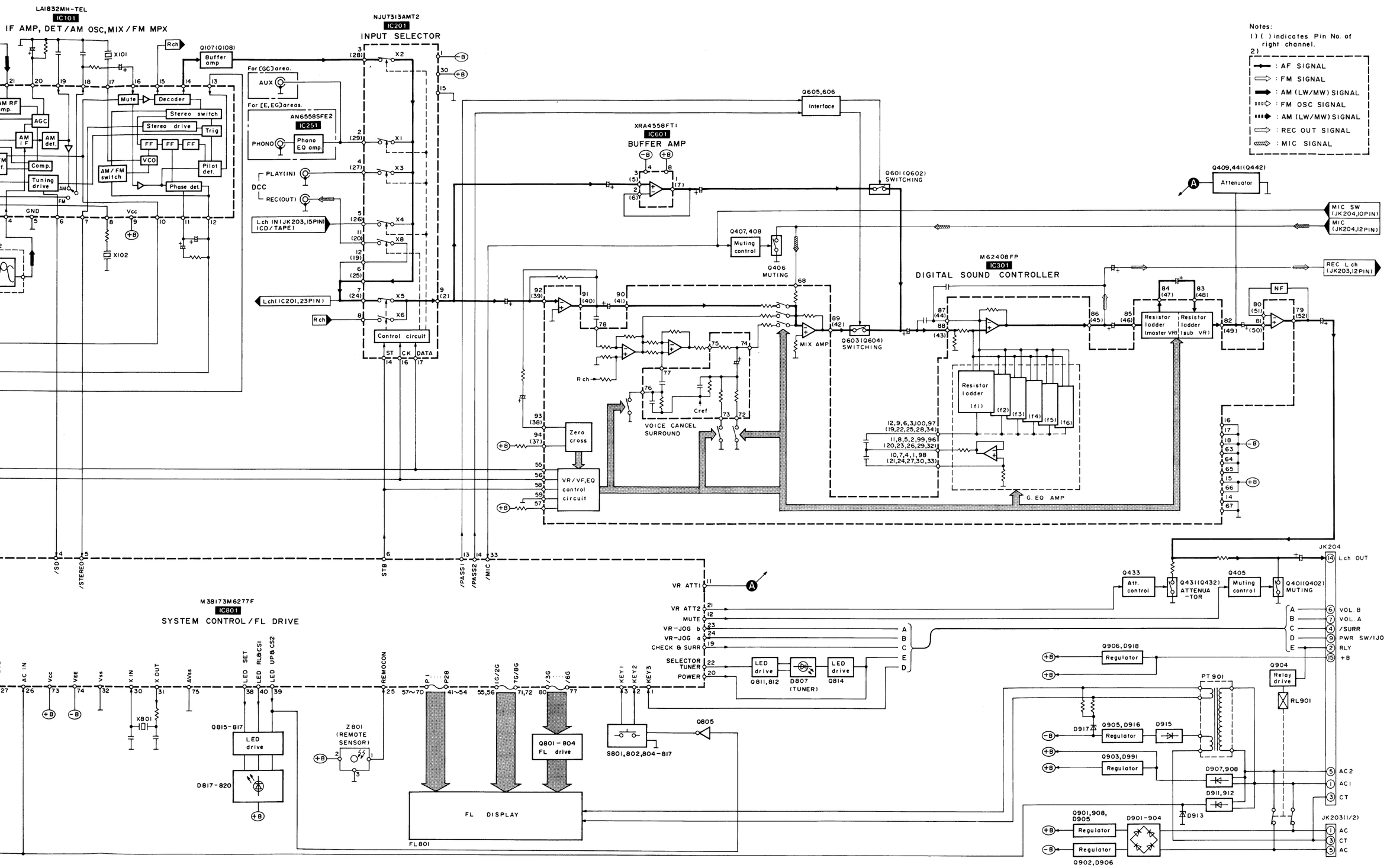


■ Wiring Connection Diagram



■ Block Diagram




LA1832MH-TEL
IC101
IF AMP, DET/AM OSC, MIX/FM MPX
NJU7313AMT2
IC201
INPUT SELECTOR
Buffer amp
Mute
Decoder
Stereo switch
Stereo drive
Trig
AGC
AM IF
AM det.
FF
VCO
Pilot det.
AM/FM switch
Phase det.
Comp.
Tuning drive
For (GC) area.
AUX
For (E, EG) areas.
AN6558SFE2
IC251
PHONO
Phono EQ amp.
PLAY(IN)
DCC
REC(OUT)
Lch IN (JK203, 15PIN) (CD/TAPE)
Lch (IC201, 23PIN)
Rch
Control circuit
ST CK DATA
Interface
XRA4558FT1
IC601
BUFFER AMP
Q601 (Q602) SWITCHING
Q409, 441 (Q442)
Attenuator
MIC SW (JK204, 10PIN)
MIC (JK204, 12PIN)
Muting control
Q406 MUTING
M62408FP
IC301
DIGITAL SOUND CONTROLLER
REC L ch (JK203, 12PIN)
NF
Resistor ladder (master VR)
Resistor ladder (sub VR)
MIX AMP
Q603 (Q604) SWITCHING
VOICE CANCEL SURROUND
Zero cross
VR/VF, EQ control circuit
G. EQ AMP
JK204
Lch OUT
Att. control
Q431 (Q432) ATTENUA-TOR
Q405
Q401 (Q402) MUTING
VOL. B
VOL. A
/SURR
PWR SW/1JO
RLY
+B
M38173M6277F
IC801
SYSTEM CONTROL/FL DRIVE
VR ATT1
VR ATT2
MUTE
VR-JOG b
VR-JOG a
CHECK & SURR
SELECTOR
TUNER
POWER
LED drive
Q811, 812
D807 (TUNER)
Q814
Q906, D918
Regulator
Q904
Relay drive
RL901
PT901
Q905, D916
D915
D917
Q903, D991
D907, 908
D911, 912
D913
AC2
AC1
CT
JK203 (1/2)
AC
CT
AC
Q901, 908, D905
D901-904
Q902, D906
X801
Q815-817
D817-820
Z801 (REMOTE SENSOR)
Q801-804 FL drive
S801, 802, 804-817
Q805
FL DISPLAY
FL801
Notes:
1) ( ) indicates Pin No. of right channel.
2)
: AF SIGNAL
: FM SIGNAL
: AM (LW/MW) SIGNAL
: FM OSC SIGNAL
: AM (LW/MW) SIGNAL
: REC OUT SIGNAL
: MIC SIGNAL

■ Power Supply with Tuner ST-CH510

This unit ST-CH510 is designed to operate on power supplied from the Amplifier SE-CH510.
When operating the unit ST-CH510 alone for testing and servicing, without having power supplied from the Amplifier SE-CH510, use the following method.

Power Supply to Main Circuit

1. Short the section between the test points **TP903** and **TP904** on the resistor **R951** as well as the section between the test points **TP902** (Anode side) and **TP901** (Cathode side) of the diode **D919**.
2. Apply 11 V AC power to the section between the point AC 11 V (**AC**) of the jumper **J224** and the point CT (**CT**) of the jumper **J225** as well as the section between the point AC 11 V (**AC**) of the jumper **J226** and the point CT (**CT**) of the jumper **J225**. (10 V AC power can be also applied when using power supply tool.) This unit comes to stand-by mode.
3. Short the section between the jumper **J59** and the point D.GND of the jumper **J255** for a moment. The main circuit comes to power ON mode. (Whenever this operation is performed, power, ON/OFF mode is repeated.)

Power Supply to Tuner Circuit

1. Apply power source to the main circuit.
2. Connect the DC +15 V terminal to the jumper **J302**, and the GND terminal to both the point T.GND of the jumper **J208** and the point CT (**CT**) of the jumper **J225** using the DC power supply tool.

Note: If the GND terminal of the DC power supply tool is connected to the point CT (**CT**) of the jumper **J225**, an error occurs in measurement values for voltage and waveform.

To Check Signals

Connect the oscilloscope or the speaker with the built-in amplifier to the section between LINE OUT (R-ch) of the capacitor **C706** and the test point **TP904** of the resistor **R951** as well as the section between LINE OUT (L-ch) of the capacitor **C705** and the test point **TP904** of the resistor **R951** and check if the signals are outputting from this unit.

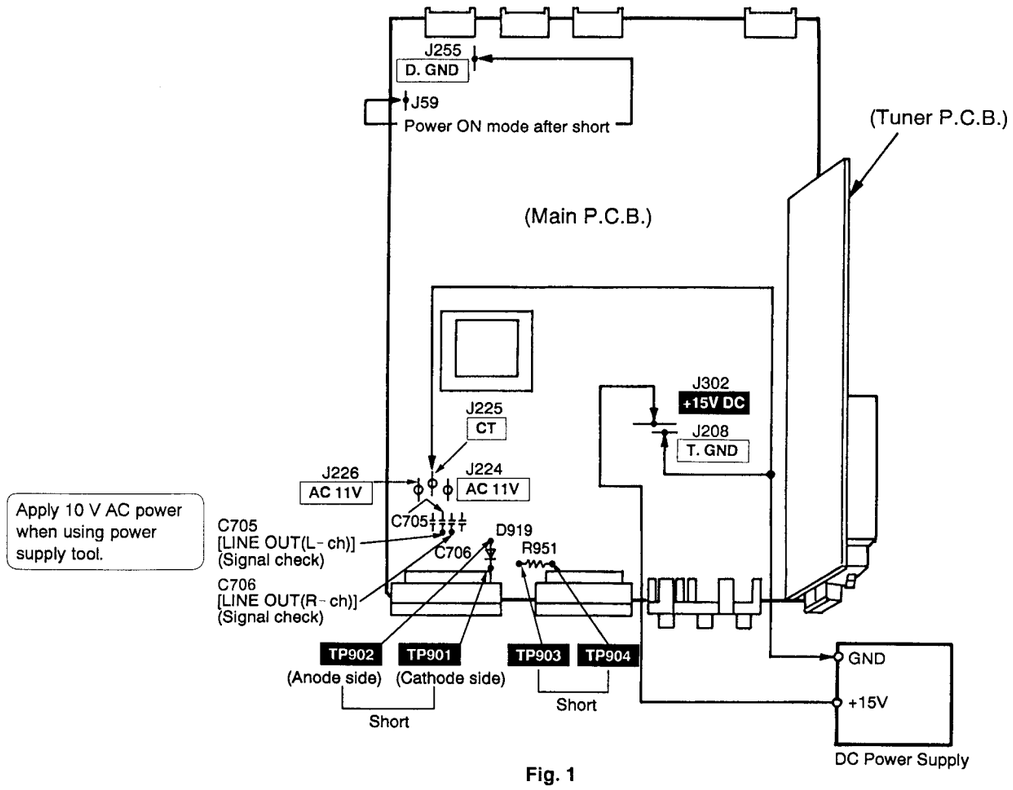


Fig. 1

Note: This unit is not required to adjust.

■ Function of IC Terminals

● **IC801 (M38173M6277F)**

Pin No.	Terminal Name	I/O	Function
1	KEY3	I	Power ON/OFF operation detect signal input
2	KEY2	I	Operation key signal input
3	KEY1	I	Operation key signal input
4	/SD	I	SD signal input for tuner
5	/STEREO	I	STEREO signal input for tuner
6	STB	O	Strobe signal output to IC201 and operation key
7	CE1	O	Chip enable signal output to IC102
8	CL1	O	Clock signal output to IC301, IC201 and IC102
9	DATA	O	Data signal output to IC301, IC201 and IC102
10	DATA IN	I	Data signal input from IC102
11	VR ATT1	O	Attenuator signal (-10 dB) output for main volume
12	MUTE	O	Main muting signal output
13	PASS1	O	Output the ON/OFF control signal for Q606
14	/PASS2	O	Output the ON/OFF control signal for Q605
15	/B.DATA IN	I	Bus data input
16	/B.CLK IN	I	Bus clock input
17	/B.DATA OUT	O	Bus data output
18	/B.CLK OUT	O	Bus clock output
19	SURR & CHECK	O	POWER ON mode: Output for SPACE "ON"/ECHO "ON" POWER OFF mode: Demultiplier output for clock control
20	POWER	I/O	Power control output (During POWER ON: "H")
21	VR ATT2	O	Attenuator signal (-10 dB) output for main volume
22	SELECTOR TUNER	O	Selector TUNER output
23	VR JOG B	I	Rotary encoder input for main volume
24	VR JOG A		
25	REMOCON	I	Input for remote control
26	AC IN	I	AC power source input terminal for an electricity failure
27	/RESET	I	Reset input terminal
28	XCIN	—	Connect to GND
29	XCOUT	—	Unused, open
30	XIN	I	Connected to a oscillator for system clock X801 (4.194304 MHz)
31	XOUT	O	
32	VSS	—	Connected to GND

Pin No.	Terminal Name	I/O	Function
33	/MIC	I	Input for MIC detection (Connection: "L")
34	CR TIMER	I/O	CR timer (Back up signal detect for clock)
35	ECHO	O	Output for ECHO "ON"
36	D1	O	Output for echo level set
37	D2		
38	LED SET	O	LED drive signal (SET)
39	LED UD & CS2	O	LED drive signal (TUNING)
		I	Input for chip select signal
40	LED RL & CS1	O	LED drive signal (PRESET or SELECT)
		I	Input for chip select signal
41 ~ 44	P28 ~ P25	O	Segment output for FL display and chip select signal output
45 ~ 54	P24 ~ P15	O	Segment output for FL display
55	1G	O	Grid output for FL display
56	2G		
57 ~ 70	P14 ~ P1	O	Segment output for FL display
71	8G	O	Grid output for FL display
72	7G		
73	VCC	I	Supplied (+5V)
74	VEE	I	Supplied power to FL display for pulling down
75	AVSS	—	Connected to GND
76	VREF	—	Standard voltage for A/D convertor (Connected to VCC)
77 ~ 80	/6G ~ /3G	O	Grid output for FL display

■ Rep

Notes: *Imp
Co
Fur
Wh
*The
Par
*The

Ref. No.
IC101
IC102
IC201
IC251
IC301
IC601
IC801
IC802
Q101, 102
Q103, 104
Q106
Q107, 108
Q191-193
Q401, 402
Q405
Q406
Q407
Q408
Q409
Q431, 432
Q433
Q441, 442
Q601-604
Q605, 606
Q801-804
Q805
Q811
Q812
Q814
Q815-817
Q901
Q902
Q903
Q904
Q905
Q906
Q908

om the

ne test

of the
f the

comes

08 and

occurs

tor
705

■ Function of IC Terminals

● IC801 (M38173M6277F)

Pin No.	Terminal Name	I/O	Function
1	KEY3	I	Power ON/OFF operation detect signal input
2	KEY2	I	Operation key signal input
3	KEY1	I	Operation key signal input
4	/SD	I	SD signal input for tuner
5	/STEREO	I	STEREO signal input for tuner
6	STB	O	Strobe signal output to IC201 and operation key
7	CE1	O	Chip enable signal output to IC102
8	CL1	O	Clock signal output to IC301, IC201 and IC102
9	DATA	O	Data signal output to IC301, IC201 and IC102
10	DATA IN	I	Data signal input from IC102
11	VR ATT1	O	Attenuator signal (-10 dB) output for main volume
12	MUTE	O	Main muting signal output
13	PASS1	O	Output the ON/OFF control signal for Q606
14	/PASS2	O	Output the ON/OFF control signal for Q605
15	/B.DATA IN	I	Bus data input
16	/B.CLK IN	I	Bus clock input
17	/B.DATA OUT	O	Bus data output
18	/B.CLK OUT	O	Bus clock output
19	SURR & CHECK	O	POWER ON mode: Output for SPACE "ON"/ECHO "ON" POWER OFF mode: Demultiplier output for clock control
20	POWER	I/O	Power control output (During POWER ON: "H")
21	VR ATT2	O	Attenuator signal (-10 dB) output for main volume
22	SELECTOR TUNER	O	Selector TUNER output
23	VR JOG B	I	Rotary encoder input for main volume
24	VR JOG A		
25	REMOCON	I	Input for remote control
26	AC IN	I	AC power source input terminal for an electricity failure
27	/RESET	I	Reset input terminal
28	XCIN	—	Connect to GND
29	XCOUT	—	Unused, open
30	XIN	I	Connected to a oscillator for system clock X801 (4.194304 MHz)
31	XOUT	O	
32	VSS	—	Connected to GND

Pin No.	Terminal Name	I/O	Function
33	/MIC	I	Input for MIC detection (Connection: "L")
34	CR TIMER	I/O	CR timer (Back up signal detect for clock)
35	ECHO	O	Output for ECHO "ON"
36	D1	O	Output for echo level set
37	D2		
38	LED SET	O	LED drive signal (SET)
39	LED UD & CS2	O	LED drive signal (TUNING)
		I	Input for chip select signal
40	LED RL & CS1	O	LED drive signal (PRESET or SELECT)
		I	Input for chip select signal
41 ~ 44	P28 ~ P25	O	Segment output for FL display and chip select signal output
45 ~ 54	P24 ~ P15	O	Segment output for FL display
55	1G	O	Grid output for FL display
56	2G		
57 ~ 70	P14 ~ P1	O	Segment output for FL display
71	8G	O	Grid output for FL display
72	7G		
73	VCC	I	Supplied (+5V)
74	VEE	I	Supplied power to FL display for pulling down
75	AVSS	—	Connected to GND
76	VREF	—	Standard voltage for A/D convertor (Connected to VCC)
77 ~ 80	/6G ~ /3G	O	Grid output for FL display

■ Replacement Parts List

Notes: *Important safety notice:
Components identified by ⚠ mark have special characteristics important for safety.
Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.
When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.
*The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.)
Parts without these indications can be used for all areas.
*The "(SF)" mark denotes the standard part.

Ref. No.	Part No.	Part Name & Description	Remarks
		INTEGRATED CIRCUIT(S)	
IC101	LA1832MH-TEL	I. C, FM/AM IF AMP.	
IC102	LC7218M-TE-L	I. C, PLL FREQ. SYNTHESIZER	
IC201	NJU7313AMT2	I. C, INPUT SELECTOR	
IC251	AN6558SFE2	I. C, PHONO EQ AMP	(E, EG)
IC301	M62408FP	I. C, DIGITAL SOUND CONT.	
IC601	XRA4558FT1	I. C, BUFFER AMP.	
IC801	M38173M6277F	I. C, SYSTEM CONT. /FL DRIVE	
IC802	LA5608M-TE-L	I. C, BUS LINE/HALF/RESET	
		TRANSISTOR(S)	
Q101, 102	2SC2787L	TRANSISTOR	
Q103, 104	2SC2785FE	TRANSISTOR	
Q106	UN411FTA	TRANSISTOR	
Q107, 108	2SC3311ARSTA	TRANSISTOR	
Q191-193	2SC3311ARSTA	TRANSISTOR	(E, GC)
Q401, 402	2SD2144S	TRANSISTOR	
Q405	UN4115	TRANSISTOR	
Q406	2SD2144S	TRANSISTOR	
Q407	UN4111	TRANSISTOR	
Q408	2SC3311AIQST	TRANSISTOR	
Q409	UN4115	TRANSISTOR	
Q431, 432	2SC3311AIQST	TRANSISTOR	
Q433	UN4115	TRANSISTOR	
Q441, 442	2SJ164PQRTA	TRANSISTOR	
Q601-604	2SJ164PQRTA	TRANSISTOR	
Q605, 606	UN4115	TRANSISTOR	
Q801-804	UN4111	TRANSISTOR	
Q805	UN421FTA	TRANSISTOR	
Q811	2SC3311AIQST	TRANSISTOR	
Q812	UN411FTA	TRANSISTOR	
Q814	2SD2144S	TRANSISTOR	
Q815-817	UN421FTA	TRANSISTOR	
Q901	2SC3940AQSTA	TRANSISTOR	⚠
Q902	2SB1417PQTA	TRANSISTOR	⚠
Q903	2SC3940AQSTA	TRANSISTOR	⚠
Q904	2SD2144S	TRANSISTOR	
Q905	2SB621A-R	TRANSISTOR	⚠
Q906	2SC3940AQSTA	TRANSISTOR	⚠
Q908	2SC3940AQSTA	TRANSISTOR	⚠
		DIODE(S)	

Ref. No.	Part No.	Part Name & Description	Remarks
D101	MA4051MTA	DIODE	⚠
D102	MA165	DIODE	
D401, 402	MA165	DIODE	
D801	1SS291TA	DIODE	
D802	MA165	DIODE	
D803	1SS291TA	DIODE	
D804-806	MA165	DIODE	
D807	SPR-305MDTF	LED	
D810	MA165	DIODE	
D811	MA165	DIODE	(E, GC)
D812	MA165	DIODE	(EG)
D814	MA165	DIODE	(GC)
D817-820	SLR-305MC	LED	
D821	SLR-305VC	LED	
D831-833	MA165	DIODE	
D901-904	RL1N4003N02	DIODE	⚠
D905, 906	MA4082LTA	DIODE	⚠
D907, 908	RL1N4003N02	DIODE	⚠
D910	MA4120	DIODE	
D911, 912	MA185TA	DIODE	⚠
D913	MA4051-L	DIODE	⚠
D915	RL1N4003N02	DIODE	⚠
D916	MA4240H	DIODE	⚠
D917	MA4039MTA	DIODE	⚠
D918	MA4082MTA	DIODE	⚠
D919, 920	MA165	DIODE	
D991	MA4062-H	DIODE	⚠
		COMPONENT COMBINATION(S)	
Z101	RLA2Z002M-T	COMPONENT COMBINATION	(EG)
Z102	RLI2Z006M-T	COMPONENT COMBINATION	
Z120	RAL0006	FM FRONT END	(E, GC)
Z120	RAL0019	FM FRONT END	(EG)
Z191	RLA6Z005M-T	COMPONENT COMBINATION	(E, GC)
Z801	RCDHC-278N	REMOTE SENSOR	
		COIL(S)	
L101	ELESNR68MA	COIL	
L103	ELEXTR47MA9	COIL	
L105, 106	ELELN822KL	COIL	
L151	SLM1B10M-1M	COIL	(EG)
L191	ELESNR68MA	COIL	
L702	ELEXT101KA9	COIL	
L801	RLQA100JT-Y	COIL	

Ref. No.	Part No.	Part Name & Description	Remarks
		FILTER(S)	
CF201, 202	RLFFETWND01M	CERAMIC FILTER	(E, GC)
CF201, 202	RLFFETMGD01L	CERAMIC FILTER	(EG)
		OSCILLATOR(S)	
X101	RSXZ456KM07M	OSCILLATOR(456KHz)	
X102	RLFDGTD01I	OSCILLATOR(10.65MHz)	
X103	RSXC7M20S04T	OSCILLATOR(7.2MHz)	
X801	RSXA4M19S03	OSCILLATOR(4.19MHz)	
		DISPLAY TUBE	
FL801	RSL0183-F	DISPLAY TUBE	
		SWITCH(ES)	
S801	EVQ21405R	SW, SELECTOR	
S802	EVQ21405R	SW, KARAOKE	
S804	EVQ21405R	SW, V. BASS	
S805	EVQ21405R	SW, EQ SPACE	
S806	EVQ21405R	SW, FLAT	
S807	EVQ21405R	SW, AUTO PRESET	
S808	EVQ21405R	SW, FM	
S809	EVQ21405R	SW, AM(LW/ME)	
S810	EVQ21405R	SW, TUNING	
S811	EVQ21405R	SW, TUNING	
S812	EVQ21405R	SW, SELECT	
S813	EVQ21405R	SW, SELECT	
S814	EVQ21405R	SW, SET	
S815	EVQ21405R	SW, CLOCK/TIMER	
S816	EVQ21405R	SW, REC	
S817	EVQ21405R	SW, PLAY	
		CONNECTOR(S)	
CN801-804	RJT003K008-1	CONNECTOR(8P)	
CN201A	RJT057W007-1	CONNECTOR(7P)	
CN202A	RJT057W007-1	CONNECTOR(7P)	
CN101B	RJU057W007	SOCKET(7P)	
CN102B	RJU057W007	SOCKET(7P)	
CP801-804	RJU003K008M1	SOCKET(8P)	
		EARTH TERMINAL(S)	
E201	SNE1004-2	GND PLATE	
E901	SNE1004-2	GND PLATE	
		TRANSFORMER	

Ref. No.	Part No.	Part Name & Description	Remarks
PT901	RTP114G005-M	POWER TRANSFORMER	⚠
		RELAY	
RL901	RSY0017M-0	RELAY	⚠
		JACK(S)	
JK101	RJH5210M	EXT ANT	
JK201	SJF3068-7N	PHONO	
JK202	SJF3069-5N	DAT/DCC	
JK203	RJT065K15	CONNECTOR(15P)	
JK204	RJT065K20	CONNECTOR(20P)	

Notes : * Capacity values are in microfarads (uF) unless specified otherwise, P=Pico-farads(pF) F=Farads(F)
* Resistance values are in ohms, unless specified otherwise, 1K=1,000(OHM) , 1M=1,000k(OHM)

Ref. No.	Part No.	Values & Remarks
		RESISTORS
R103	ERDS2TJ271	1/4W 270 (E, GC)
R103	ERDS2TJ330T	1/4W 33 (EG)
R104	ERDS2TJ822	1/4W 8.2K (E, GC)
R104	ERDS2TJ103	1/4W 10K (EG)
R105	ERDS2TJ471	1/4W 470
R106	ERDS2TJ474	1/4W 470K
R107	ERDS2TJ331	1/4W 330
R108	ERDS2TJ474	1/4W 470K
R109	ERDS2TJ331	1/4W 330
R110	ERDS2TJ102	1/4W 1K
R112	ERDS2TJ104	1/4W 100K
R113	ERDS2TJ103	1/4W 10K
R114	ERDS2TJ562	1/4W 5.6K
R115	ERDS2TJ561	1/4W 560
R116	ERDS2TJ102	1/4W 1K
R117	ERDS2TJ273	1/4W 27K (E, GC)
R117	ERDS2TJ823T	1/4W 82K (EG)
R118	ERDS2TJ562	1/4W 5.6K
R119	ERDS2TJ682T	1/4W 6.8K (E, GC)
R119	ERDS2TJ822T	1/4W 8.2K (EG)
R120	ERDS2TJ473	1/4W 47K
R121	ERDS2TJ332	1/4W 3.3K
R122	ERDS2TJ272T	1/4W 2.7K
R124	ERDS2TJ271	1/4W 270
R125, 126	ERDS2TJ152	1/4W 1.5K
R127	ERDS2TJ103	1/4W 10K
R128	ERDS2TJ820	1/4W 82
R129	ERDS2TJ473	1/4W 47K
R130	ERDS2TJ103	1/4W 10K
R132	ERDS2TJ103	1/4W 10K
R133-137	ERDS2TJ102	1/4W 1K
R138	ERDS2TJ103	1/4W 10K
R139, 140	ERDS2TJ272T	1/4W 2.7K
R141, 142	ERDS2TJ102	1/4W 1K
R143, 144	ERDS2TJ222	1/4W 2.2K
R145, 146	ERDS2TJ102	1/4W 1K (E, GC)
R145, 146	ERDS2TJ821T	1/4W 820 (EG)
R147, 148	ERDS2TJ474	1/4W 470K
R149	ERDS2TJ680T	1/4W 68
R171, 172	ERDS2TJ102	1/4W 1K
R173	ERDS2TJ471	1/4W 470
R175	ERDS2TJ102	1/4W 1K
R176	ERDS2TJ391	1/4W 390
R191	ERDS2TJ103	1/4W 10K (E, GC)
R192	ERDS2TJ122	1/4W 1.2K (E, GC)
R193	ERDS2TJ182	1/4W 1.8K (E, GC)

Ref. No.	Part No.	Values & Remarks
R194	ERDS2TJ122	1/4W 1.2K (E, GC)
R195	ERDS2TJ222	1/4W 2.2K (E, GC)
R201-203	ERDS2TJ222	1/4W 2.2K
R205, 206	ERDS2TJ103	1/4W 10K
R207, 208	ERDS2TJ473	1/4W 47K
R209, 210	ERDS2TJ122	1/4W 1.2K
R211, 212	ERDS2TJ224T	1/4W 220K
R213, 214	ERDS2TJ102	1/4W 1K (E, EG)
R213, 214	ERDS2TJ562T	1/4W 5.6K (GC)
R215, 216	ERDS2TJ473	1/4W 47K (E, EG)
R215, 216	ERDS2TJ103	1/4W 10K (GC)
R217, 218	ERDS2TJ104	1/4W 100K
R221, 222	ERDS2TJ102	1/4W 1K
R223, 224	ERDS2TJ682T	1/4W 6.8K
R227, 228	ERDS2TJ471	1/4W 470
R229	ERDS2TJ102	1/4W 1K
R255, 256	ERDS2TJ331	1/4W 330 (E, EG)
R257, 258	ERDS2TJ221	1/4W 220 (E, EG)
R259, 260	ERDS2TJ184T	1/4W 180K (E, EG)
R261, 262	ERDS2TJ123	1/4W 12K (E, EG)
R263, 264	ERDS2TJ680T	1/4W 68 (E, EG)
R265, 266	ERDS2TJ104	1/4W 100K (E, EG)
R267, 268	ERDS2TJ272T	1/4W 2.7K (E, EG)
R269, 270	ERD25FJ470	1/4W 47 ⚠(E, EG)
R301, 302	ERDS2TJ223	1/4W 22K
R303, 304	ERDS2TJ123	1/4W 12K
R305, 306	ERDS2TJ153	1/4W 15K
R307, 308	ERDS2TJ122	1/4W 1.2K
R309, 310	ERDS2TJ102	1/4W 1K
R311, 312	ERDS2TJ104	1/4W 100K
R313	ERDS2TJ824	1/4W 820K
R314	ERDS2TJ332	1/4W 3.3K
R315, 316	ERDS2TJ103	1/4W 10K
R317	ERDS2TJ183T	1/4W 18K
R318	ERDS2TJ103	1/4W 10K
R319, 320	ERDS2TJ105T	1/4W 1M
R321	ERDS2TJ561	1/4W 560
R322-324	ERDS2TJ222	1/4W 2.2K
R391, 392	ERDS2TJ224T	1/4W 220K
R393, 394	ERDS2TJ223	1/4W 22K
R399	ERDS2TJ272T	1/4W 2.7K
R401, 402	ERDS2TJ102	1/4W 1K
R403, 404	ERDS2TJ122	1/4W 1.2K
R405, 406	ERDS2TJ104	1/4W 100K
R407, 408	ERDS2TJ102	1/4W 1K
R409	ERDS2TJ105T	1/4W 1M
R410	ERDS2TJ222	1/4W 2.2K
R411, 412	ERDS2TJ332	1/4W 3.3K
R415-417	ERDS2TJ102	1/4W 1K

Ref. No.	Part No.	Values & Remarks
R418	ERDS2TJ334	1/4W 330K
R419	ERDS2TJ472	1/4W 4.7K
R420, 421	ERDS2TJ473	1/4W 47K
R431, 432	ERDS2TJ471	1/4W 470
R433, 434	ERDS2TJ104	1/4W 100K
R435, 436	ERDS2TJ102	1/4W 1K
R437	ERDS2TJ472	1/4W 4.7K
R438, 439	ERDS2TJ105T	1/4W 1M
R441, 442	ERDS2TJ102	1/4W 1K
R443, 444	ERDS2TJ473	1/4W 47K
R447	ERDS2TJ102	1/4W 1K
R448	ERDS2TJ104	1/4W 100K
R451	ERDS2TJ103	1/4W 10K
R601, 602	ERDS2TJ153	1/4W 15K
R603, 604	ERDS2TJ333	1/4W 33K
R605, 606	ERDS2TJ152	1/4W 1.5K
R607, 608	ERDS2TJ392T	1/4W 3.9K
R609, 610	ERDS2TJ104	1/4W 100K
R611, 612	ERDS2TJ103	1/4W 10K
R613, 614	ERDS2TJ104	1/4W 100K
R615-618	ERDS2TJ105T	1/4W 1M
R701, 702	ERDS2TJ102	1/4W 1K
R704	ERDS2TJ471	1/4W 470
R705, 706	ERDS2TJ102	1/4W 1K
R801-804	ERDS2TJ104	1/4W 100K
R811-813	ERDS2TJ103	1/4W 10K
R814	ERDS2TJ821	1/4W 820
R815	ERDS2TJ102	1/4W 1K
R816	ERDS2TJ122	1/4W 1.2K
R817	ERDS2TJ152	1/4W 1.5K
R818	ERDS2TJ182	1/4W 1.8K
R819	ERDS2TJ222	1/4W 2.2K
R820	ERDS2TJ821	1/4W 820
R821	ERDS2TJ102	1/4W 1K
R822	ERDS2TJ122	1/4W 1.2K
R823	ERDS2TJ152	1/4W 1.5K
R824	ERDS2TJ182	1/4W 1.8K
R825	ERDS2TJ222	1/4W 2.2K
R826	ERDS2TJ332	1/4W 3.3K
R827	ERDS2TJ472	1/4W 4.7K
R828	ERDS2TJ682T	1/4W 6.8K
R832-840	ERDS2TJ104	1/4W 100K
R841	ERDS2TJ224T	1/4W 220K
R842, 843	ERDS2TJ393	1/4W 39K
R844	ERDS2TJ103	1/4W 10K
R845-847	ERDS2TJ222	1/4W 2.2K
R848	ERDS2TJ102	1/4W 1K
R849	ERDS2TJ392T	1/4W 3.9K
R850, 851	ERDS2TJ222	1/4W 2.2K

Ref. No.	Part No.	Values & Remarks
R852	ERDS2TJ392T	1/4W 3.9K
R853	ERDS2TJ103	1/4W 10K
R855	ERDS2TJ392T	1/4W 3.9K
R856	ERDS2TJ103	1/4W 10K
R857	ERDS2TJ331	1/4W 330
R858, 859	ERDS2TJ102	1/4W 1K
R860, 861	ERDS2TJ223	1/4W 22K
R864	ERDS2TJ221	1/4W 220
R865	ERDS2TJ104	1/4W 100K
R866	ERDS2TJ470	1/4W 47
R867	ERDS2TJ223	1/4W 22K
R868, 869	ERDS2TJ473	1/4W 47K
R870	ERDS2TJ272T	1/4W 2.7K
R871	ERDS2TJ820	1/4W 82
R872	ERDS2EJ121	1/4W 120
R875, 876	ERDS2TJ471	1/4W 470
R877, 878	ERDS2TJ271	1/4W 270
R880	ERDS2TJ221	1/4W 220
R882	ERDS2TJ391	1/4W 390
R901, 902	ERD2FCVJ4R7T	1/4W 4.7 ⚠
R903, 904	ERDS2TJ102	1/4W 1K
R905	ERG1SJ220E	1W 22
R906	ERG1SJ330E	1W 33
R909	ERDS2TJ332	1/4W 3.3K
R910	ERG1SJ220E	1W 22
R912, 913	ERDS2TJ332	1/4W 3.3K
R914	ERDS2TJ103	1/4W 10K
R915, 916	ERDS2TJ393	1/4W 39K
R917	ERD25FVJ4R7T	1/4W 4.7 ⚠
R918	ERDS2TJ472	1/4W 4.7K
R921, 922	ERDS2TJ151	1/4W 150
R923	ERDS2TJ152	1/4W 1.5K
R924	ERDS2TJ331	1/4W 330
R931	ERDS2TJ2R2T	1/4W 2.2
R932	ERDS2TJ101	1/4W 100
R933	ERDS2TJ2R2T	1/4W 2.2
R951, 952	ERDS2TJ100	1/4W 10
		CAPACITORS
C101	ECBT1C103NS5	16V 0.01U
C103	ECBT1C103NS5	16V 0.01U
C104, 105	ECBT1H102KB5	50V 1000P
C106	ECBT1C103NS5	16V 0.01U
C107	ECBT1H473ZF5	50V 0.047U
C108	ECBT1H100JC5	50V 10P (E, GC)
C108	ECBT1H8R2KC5	50V 8.2P (EG)
C109, 110	ECBT1C103NS5	16V 0.01U
C111	ECEA1EKA4R7B	25V 4.7U
C112	ECBT1C103NS5	16V 0.01U
C113	ECBT1H102KB5	50V 1000P
C114	ECEA1HKA3R3B	50V 3.3U

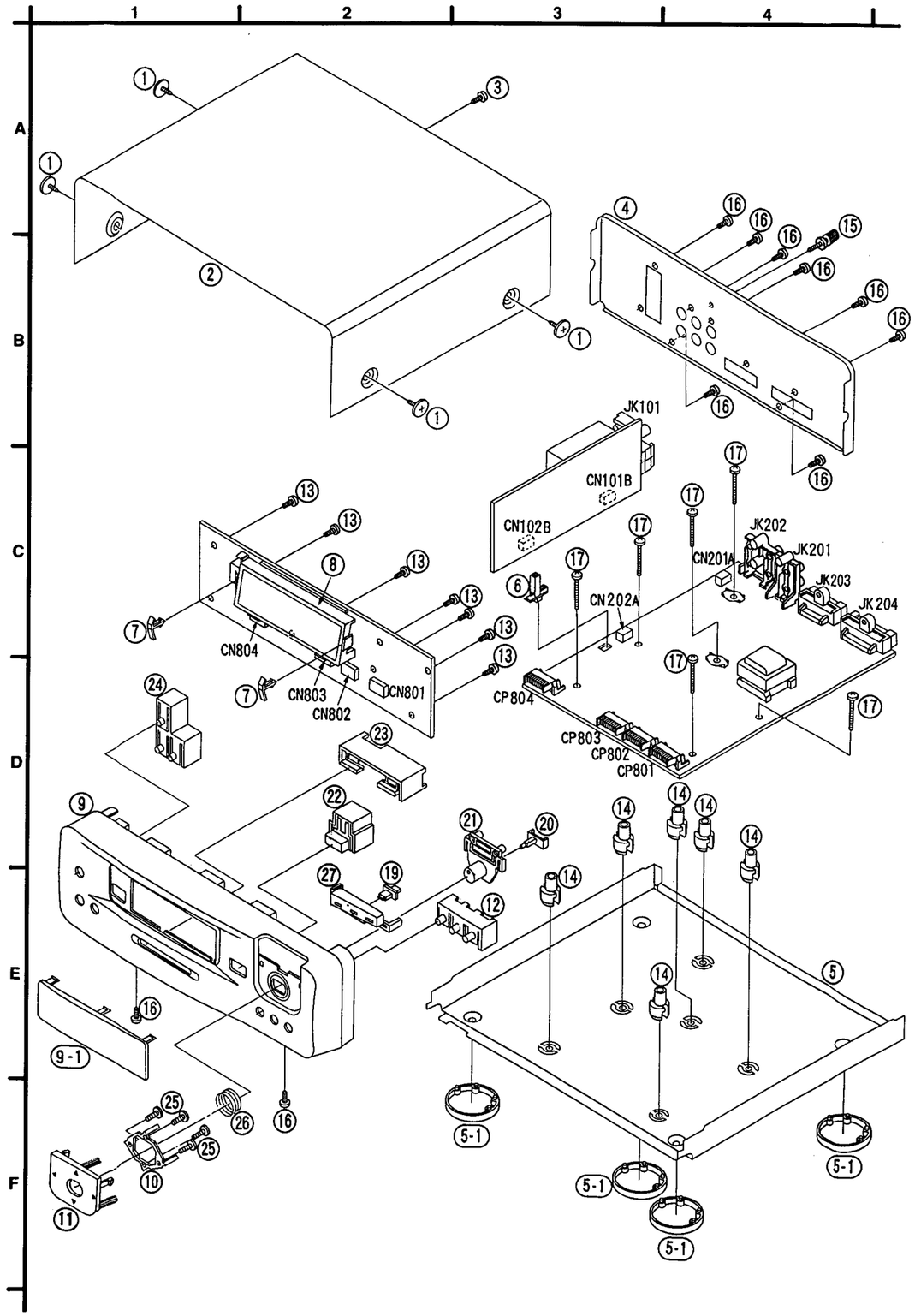
Ref. No.	Part No.	Values & Remarks
C115	ECEA1EKA4R7B	25V 4.7U
C116	ECBT1C822KS5	16V 8200P
C117	ECQB1H102JF3	50V 1000P (E, GC)
C117	ECQB1H561JF3	50V 560P (EG)
C118, 119	ECFR1C103KR	16V 0.01U
C120, 121	ECEA1HKA010B	50V 1U
C122	ECEA1HKA2R2B	50V 2.2U
C123	ECEA1HKA010B	50V 1U
C124	ECBT1H102KB5	50V 1000P
C125	ECBT1H150JC5	50V 15P
C126	ECBT1H473ZF5	50V 0.047U
C127	ECEA1CKA220B	16V 22U
C128	ECBT1H102KB5	50V 1000P
C129, 130	ECEA0JKA101B	6.3V 100U
C132	ECBT1H102KB5	50V 1000P
C133, 134	ECBT1H270JU5	50V 27P
C135, 136	ECBT1C103KS5	16V 0.01U
C137, 138	ECBT1H561KB5	50V 560P
C139, 140	ECBT1C562KR5	16V 5600P (E, GC)
C139, 140	ECBT1C682KR5	16V 6800P (EG)
C141-144	ECEA1HKA010B	50V 1U
C145	ECBT1H220JC5	50V 22P
C148	ECBT1C103NS5	16V 0.01U
C149	ECBT1H104ZF5	50V 0.1U
C171, 172	ECBT1H102KB5	50V 1000P
C173	ECEA1CKA220B	16V 22U
C174	ECEA1CKA100B	16V 10U
C181	ECBT1H471KB5	50V 470P (EG)
C196	ECBT1H102KB5	50V 1000P
C201, 202	ECBT1H104ZF5	50V 0.1U
C203-205	ECBT1H470J5	50V 47P
C207, 208	ECBT1H151KB5	50V 150P (E, EG)
C209, 210	ECBT1H180J5	50V 18P (E, EG)
C209, 210	ECBT1H101KB5	50V 100P (GC)
C211-214	ECBT1H101KB5	50V 100P
C251, 252	ECBT1H102KB5	50V 1000P (E, EG)
C253, 254	ECEA1AKA330B	10V 33U (E, EG)
C255, 256	ECBT0J223MS5	6.3V 0.022U (E, EG)
C257, 258	ECBT1C682KR5	16V 6800P (E, EG)
C259, 260	ECEA1CKA100B	16V 10U (E, EG)
C261, 262	ECBT1E103ZF	25V 0.01U (E, EG)
C301, 302	ECEA1CKA100B	16V 10U
C303, 304	ECBT1H820KB5	50V 82P
C305, 306	ECBT1H102KB5	50V 1000P
C307-310	ECEA1CKA100B	16V 10U
C311, 312	ECBT1H101KB5	50V 100P
C313, 314	ECEA1HKAR15B	50V 0.15U
C315-318	ECEA1CKA100B	16V 10U
C319, 320	ECEA1HKA3R3B	50V 3.3U
C321, 322	ECBT1H271KB5	50V 270P
C323, 324	ECBT1H102KB5	50V 1000P
C325, 326	ECEA1AKA101B	10V 100U

Ref. No.	Part No.	Values & Remarks
C327-330	ECEA1CKA100B	16V 10U
C333	ECFR1E823KR	25V 0.082U
C334	ECFR1E472KR	25V 4700P
C335	ECEA1CN100SB	16V 10U
C336	ECBT0J223MS5	6.3V 0.022U
C337	ECEA1CKA100B	16V 10U
C338	ECEA1AKA101B	10V 100U
C339	ECEA1EKA4R7B	25V 4.7U
C351, 352	ECQV1H224JM3	50V 0.22U
C353, 354	ECQV1H154JM3	50V 0.15U
C355, 356	ECEA1HKAR22B	50V 0.22U
C357, 358	ECFR1E223KR	25V 0.022U
C359, 360	ECFR1E273KR	25V 0.027U
C361-364	ECBT1C562KR5	16V 5600P
C365, 366	ECBT1H561KB5	50V 560P
C375, 376	ECQB1H123JF3	50V 0.012U
C377, 378	ECEA1HKA2R2B	50V 2.2U
C379-383	ECBT1E103ZF	25V 0.01U
C384	ECEA1CKA100B	16V 10U
C385	ECBT1E103ZF	25V 0.01U
C386, 387	ECBT1H470J5	50V 47P
C389	ECBT1H470J5	50V 47P
C391	ECFR1E473KR	25V 0.047U
C392, 393	ECEA1CKA100B	16V 10U
C401	ECEA1CKA220B	16V 22U
C402	ECBT1H102KB5	50V 1000P
C403	ECEA1EKA4R7B	25V 4.7U
C404	ECEA1HKA010B	50V 1U
C413, 414	ECEA1CKA100B	16V 10U
C431	ECEA1EKA4R7B	25V 4.7U
C441	ECEA1EKA4R7B	25V 4.7U
C601, 602	ECEA1CKA100B	16V 10U
C603, 604	ECEA1EKA4R7B	25V 4.7U
C605, 606	ECEA1CKA100B	16V 10U
C607, 608	ECBT1C332KR5	16V 3300P
C609, 610	ECBT1E103ZF	25V 0.01U
C701-707	ECBT1H101KB5	50V 100P
C708	ECBT1H102KB5	50V 1000P
C709, 710	ECEA1CKA100B	16V 10U
C712	ECBT1H102KB5	50V 1000P
C751, 752	ECBT1E103ZF	25V 0.01U
C753	ECBT1H102KB5	50V 1000P
C801	ECA0JM102B	6.3V 1000P
C802	ECBT1H102KB5	50V 1000P
C803	ECBT1H104ZF5	50V 0.1U
C805	ECEA0JKA101B	6.3V 100U
C806	ECBT1E223ZF	25V 0.022U
C807	ECBT1H102KB5	50V 1000P
C808, 809	ECBT1E103ZF	25V 0.01U
C810	ECEA1CKA100B	16V 10U
C811	ECBT1E103ZF	25V 0.01U
C812	ECBT1H101KB5	50V 100P

Ref. No.	Part No.	Values & Remarks
C813, 814	ECEA1HKA010B	50V 1U
C815	ECBT1E103ZF	25V 0.01U
C851	ECEA1HKAR33B	50V 0.33U
C852	ECQV1H104JM3	50V 0.1U
C861	ECBT1H220GC5	50V 22P
C862	ECBT1H270JU5	50V 27P
C871	ECEA0JKA101B	6.3V 100U
C872	ECBT1E103ZF	25V 0.01U
C901, 902	ECKT1H223ZF	50V 0.022U
C903	RCE1EM471BV	25V 470U
C904	RCE1EM471BV	25V 470U ⚠
C905-907	ECBT1E103ZF	25V 0.01U
C908	ECEA1CKA100B	16V 10U
C909	ECBT1H104ZF5	50V 0.1U
C910	ECEA1CKA100B	16V 10U
C911	RCE1HM221BV	50V 220U ⚠
C912	ECEA1VKA100B	35V 10U
C913	ECBT1E103ZF	25V 0.01U
C914	ECEA1AKA101B	10V 100U
C915	ECBT1E103ZF	25V 0.01U
C916	ECBT1H102KB5	50V 1000P
C920	ECEA1VKA100B	35V 10U
C921	ECBT1E103ZF	25V 0.01U
C951	RCE1EM471BV	25V 470U ⚠
C952	ECBT1H104ZF5	50V 0.1U
C953	ECBT1H102KB5	50V 1000P
C991, 992	ECEA1AKA470B	10V 47U (E, EB)
C993	ECEA1CKA100B	16V 10U

Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET PARTS LIST	
1	RHD30007	SCREW	
2	RKM0266-K	CABINET	
3	XTB3+8JFZ	SCREW	
4	RGR0197A-A1	REAR PANEL	(E)
4	RGR0197A-H	REAR PANEL	(EG)
4	RGR0197A-B	REAR PANEL	(GC)
5	RFKJSCH404EK	BOTTOM BOAD ASS'Y	
5-1	RKA0011-3	FOOT	
6	RMN0203	HOLDER	
7	RMN0195	FL SPACER	
8	RMN0284	FL HOLDER	
9	RFKGTCH510EK	FRONT PANEL ASS'Y	
9-1	RKW0349-V	FL PANEL	
10	RGL0240-Q	PANEL LIGHT	
11	RGU1089-K	BUTTON, MULTI CONTROL	
12	RGU1099-K	BUTTON, EQ SPACE	
13	XTBS26+8J	SCREW	
14	SHE185-2	P.C.B. SPACER	
15	SNE2123	GND SCREW	(E, EG)
16	XTBS3+8JFZ1	SCREW	
17	XTB3+16JFZ	SCREW	
19	RGL0241-Q	PANEL LIGHT	
20	RGL0242-Q	PANEL LIGHT	
21	RFKNTCH510EA	BUTTON, SET	(E, GC)
21	RFKNTCH510EC	BUTTON, SET	(EG)
22	RGU1091-K	BUTTON, SELECTOR	
23	RGU1092-K	BUTTON, EQ/TIMER	
24	RFKNTCH510EE	BUTTON, V. BASS	
25	RHE5079YA	SCREW	
26	RMB0370-L	SPRING	
27	RFKNTCH510EB	BUTTON BAND	(E, GC)
27	RFKNTCH510ED	BUTTON BAND	(EG)

■ Cabinet Parts Location



Printed in Japan
F940712000 TW/HH/TN